Name of Work: Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

EMB

"FIRST AND PART BILL"

Name of Work: Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

PRE-MEASURMENT SHEETS

"FIRST AND PART BILL"

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 24/04/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
1	Removing and resetting of footpath slab.							
	Top Slab							
	Drain Desilt							
	Defence Layout							
	Devamatha school Rd							
	RHS							
	108.70-129.00	1	20.30	0.75		15.23		
	213.00-235.00	1	22.00	0.75		16.50		
	1st Cross Burial ground Rd							
	LHS							
	0.00-30.00	1	30.00	1.20		36.00		
	30.00-60.00	1	30.00	1.20		36.00		
	60.00-90.00	1	30.00	1.20		36.00		
	216.40-246.40	1	30.00	1.20		36.00		
	363.00-387.70	1	24.70	1.20		29.64		
	RHS							
	143.00-169.00	1	26.00	0.90		23.40		
	239.50-253.00	1	13.50	1.20		16.20		
	363.00-393.00	1	30.00	1.20		36.00		
	Raghavendra Colony							
	3rd Cross Rd							
	LHS							
	19.70-42.40	1	22.70	0.90		20.43		
	45.50-54.90	1	9.40	0.90		8.46		
	RHS							
	26.10-59.50	1	33.40	0.90		30.06		
	84.90-99.40	1	14.50	0.90		13.05		
	7th & 8th Cross							
	LHS							
	0.00-30.00	1	30.00	0.60		18.00		
	30.00-60.00	1	30.00	0.60		18.00		
	60.00-90.00	1	30.00	0.60		18.00		
	90.00-104.10	1	14.10	0.60		8.46		
	RHS							
	0.00-30.00	1	30.00	0.60		18.00		

AEE (VRP) SD

	3)-60.00	1	30.00	0.60		18.00		
	60.00-90.00	1	30.00	0.60		18.00		
	90.00-104.10	1	14.10	0.60		8.46		
	5th Cross Rd							
	LHS							
	0.00-7.60	1	7.60	0.90		6.84		
	16.90-47.50	1	30.60	0.90		27.54		
	RHS							
	38.60-49.40	1	10.80	0.90		9.72		
	57.90-74.20	1	16.30	0.90		14.67		
	Teacher Layout							
	1st Main Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-90.00	1	30.00	0.75		22.50		
	90.00-120.00	1	30.00	0.75		22.50		
	120.00-150.00	1	30.00	0.75		22.50		
	150.00-162.00	1	12.00	0.75		9.00		
	RHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-90.00	1	30.00	0.75		22.50		
	90.00-120.00	1	30.00	0.75		22.50		
	120.00-150.00	1	30.00	0.75		22.50		
	150.00-162.00	1	12.00	0.75		9.00		
	4th Cross Rd							
	LHS							
	0.00-12.50	1	12.50	0.90		11.25		
	39.10-62.50	1	23.40	0.90		21.06		
	75.90-85.40	1	9.50	0.90		8.55		
	0.00-10.90	1	10.90	0.90		9.81		
	21.20-35.40	1	14.20	0.90		12.78		
	RHS							
	88.00-98.40	1	10.40	0.90		9.36		
	0.00-17.00	1	17.00	0.90		15.30		
					Total Quantity	**867.77**	**247.50**	**214771.84**

Contractor

Consultant

Karnataka Mahesh Test House Pvt. Ltd. Bangalore

Assistant Engineer

Asst, Executive Engineer

ಪಶ್ಚಾಯತ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತ್ರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 22/04/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
2	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.							
	New Drains							
	Teacher Layout							
	1st Cross Rd							
	LHS							
	8.90-38.90	1	30.00	0.95	1.05	29.93		
	38.90-68.90	1	30.00	0.90	0.95	25.65		
	68.90-90.00	1	21.10	1.05	1.20	26.59		
	90.00-119.00	1	29.00	1.10	1.10	35.09		
	119.00-143.90	1	24.90	0.95	0.90	21.29		
	RHS							
	8.90-36.00	1	27.10	1.00	1.10	29.81		
	45.00-54.00	1	9.00	1.05	1.05	9.92		
	63.00-73.50	1	10.50	0.90	1.05	9.92		
	73.50-90.00	1	16.50	0.95	1.10	17.24		
	90.00-114.20	1	24.20	1.05	1.20	30.49		
	114.20-134.20	1	20.00	1.10	0.95	20.90		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	0.00-29.70	1	29.70	0.95	1.00	28.22		
	29.70-41.10	1	11.40	0.90	1.00	10.26		
	41.10-43.20	1	2.10	1.05	1.00	2.21		
	43.20-56.60	1	13.40	1.20	1.00	16.08		
	56.60-70.20	1	13.60	1.10	1.00	14.96		
	70.20-77.20	1	7.00	1.00	1.00	7.00		
	77.20-79.00	1	1.80	0.85	1.00	1.53		
	0.00-30.00	1	30.00	0.90	1.00	27.00		
	30.00-42.60	1	12.60	0.95	1.00	11.97		
	42.60-52.60	1	10.00	1.20	1.00	12.00		
	52.60-69.10	1	16.50	1.05	1.00	17.33		
	RHS							

AEE (VRP) SD

	0.00-30.00	1	30.00	1.05	0.90	28.35		
	30.00-60.00	1	30.00	1.10	1.15	37.95		
	60.00-86.50	1	26.50	1.05	1.10	30.61		
	0.00-30.00	1	30.00	1.10	1.05	34.65		
	30.00-37.20	1	7.20	0.90	1.15	7.45		
	2nd Main Rd							
	LHS							
	0.00-10.00	1	10.00	1.01	1.15	11.62		
	10.00-40.00	1	30.00	1.05	1.05	33.08		
	40.00-47.70	1	7.70	1.10	1.05	8.89		
	4th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.95	0.90	25.65		
	30.00-60.00	1	30.00	1.00	1.15	34.50		
	60.00-85.20	1	25.20	1.05	1.05	27.78		
	RHS							
	0.00-11.00	1	11.00	1.00	0.95	10.45		
	17.50-34.00	1	16.50	1.00	0.80	13.20		
	34.00-45.00	1	11.00	1.00	1.00	11.00		
	53.70-82.80	1	29.10	1.00	0.95	27.65		
	8th F Main Rd (C-Block)							
	LHS							
	0.00-30.00	1	30.00	0.95	1.15	32.78		
	30.00-60.00	1	30.00	1.15	0.90	31.05		
	60.00-76.60	1	16.60	1.20	0.95	18.92		
	RHS							
	0.00-13.70	1	13.70	1.00	0.95	13.02		
	13.70-28.70	1	15.00	1.15	0.90	15.53		
	28.70-58.70	1	30.00	1.00	1.00	30.00		
	58.70-63.60	1	4.90	1.15	0.95	5.35		
	Kamatha Layout							
	Main Rd							
	LHS							
	0.00-16.40	1	16.40	0.90	0.85	12.55		
	16.40-29.30	1	12.90	0.95	0.95	11.64		
	29.30-36.70	1	7.40	1.00	1.00	7.40		
	43.20-56.40	1	13.20	0.95	0.90	11.29		
	68.40-80.60	1	12.00	1.05	1.00	12.60		
	112.00-128.30	1	16.30	0.95	1.10	17.03		
	128.30-145.30	1	17.00	1.05	1.00	17.85		
	RHS							
	0.00-22.80	1	22.80	1.05	1.50	35.91		
	22.80-36.80	1	14.00	0.95	1.50	19.95		
	45.00-58.00	1	13.00	1.00	1.00	13.00		
	58.00-71.30	1	13.30	1.00	1.00	13.30		
	78.30-80.30	1	2.00	1.05	1.00	2.10		
	80.30-93.70	1	13.40	0.95	1.00	12.73		
	100.20-117.00	1	16.80	0.95	0.95	15.16		
	Balaji Layout							
	2nd Main 1st Cross Rd							
	LHS							

AEE (VRP) SD

	0.00-30.00	1	30.00	0.95	0.95	27.08		
	30.00-57.40	1	27.40	0.90	1.00	24.66		
	Jamia Masjid							
	Cross Rd							
	RHS							
	0.00-30.00	1	30.00	0.80	0.90	21.60		
	30.00-60.00	1	30.00	0.80	0.95	22.80		
	LHS							
	0.00-25.00	1	25.00	0.80	0.85	17.00		
	25.00-46.30	1	21.30	0.80	0.90	15.34		
	Ganesha Layout							
	4th Cross Rd							
	LHS							
	38.50-56.00	1	17.50	0.90	0.95	14.96		
	92.70-112.00	1	19.30	0.85	1.00	16.41		
	148.00-167.00	1	19.00	0.95	0.90	16.25		
	RHS							
	26.00-38.50	1	12.50	0.90	0.95	10.69		
	62.50-86.70	1	24.20	0.95	0.90	20.69		
	99.20-112.00	1	12.80	0.85	0.90	9.79		
	119.30-129.50	1	10.20	0.90	0.85	7.80		
	138.70-148.00	1	9.30	0.90	1.00	8.37		
	203.40-212.60	1	9.20	0.85	1.20	9.38		
	Cross Rd							
	RHS							
	0.00-12.50	1	12.50	0.90	1.00	11.25		
	18.20-44.70	1	26.50	0.95	1.00	25.18		
	53.40-79.00	1	25.60	0.95	1.00	24.32		
	LHS							
	0.00-11.70	1	11.70	1.00	1.00	11.70		
	3rd Cross Rd							
	LHS							
	0.00-29.00	1	29.00	0.90	1.00	26.10		
	RHS							
	0.00-29.00	1	29.00	0.90	1.00	26.10		
	Petrol bunk Rd							
	0.00-30.00	1	30.00	0.95	1.00	28.50		
	30.00-42.60	1	12.60	1.05	0.95	12.57		
	Ward Office Opp Rd							
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-45.00	1	15.00	1.00	1.00	15.00		
	45.00-59.00	1	14.00	1.00	1.00	14.00		
	Singapura							
	Vardharaja Swamy Temple Opp Rd							
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-60.00	1	30.00	1.00	1.00	30.00		

AEE (VRP) SD

	6[illegible]-62.00	1	2.00	1.00	1.00	2.00		
	74.50-92.00	1	17.50	1.00	1.00	17.50		
	RHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-60.00	1	30.00	1.00	1.00	30.00		
	60.00-90.00	1	30.00	1.00	1.00	30.00		
	90.00-92.00	1	2.00	1.00	1.00	2.00		
	Main Rd							
	LHS							
	0.00-22.20	1	22.20	1.00	1.00	22.20		
	27.00-50.00	1	23.00	1.00	1.00	23.00		
	54.10-75.30	1	21.20	1.00	1.00	21.20		
	79.10-84.30	1	5.20	1.00	1.00	5.20		
	84.30-87.90	1	3.60	1.00	1.00	3.60		
	87.90-107.60	1	19.70	1.00	1.00	19.70		
	107.60-119.00	1	11.40	1.00	1.00	11.40		
	RHS							
	0.00-8.00	1	8.00	1.00	1.00	8.00		
	14.20-28.50	1	14.30	1.00	1.00	14.30		
	28.50-42.30	1	13.80	1.00	1.00	13.80		
	46.00-68.20	1	22.20	1.00	1.00	22.20		
	74.30-98.00	1	23.70	1.00	1.00	23.70		
	8th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-60.00	1	30.00	1.00	1.00	30.00		
	60.00-65.40	1	5.40	1.00	1.00	5.40		
	6th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-60.00	1	30.00	1.00	1.00	30.00		
	60.00-90.00	1	30.00	1.00	1.00	30.00		
	90.00-95.60	1	5.60	1.00	1.00	5.60		
	4th Cross Rd							
	RHS							
	0.00-14.00	1	14.00	1.00	1.00	14.00		
	LHS							
	0.00-8.10	1	8.10	1.00	1.00	8.10		
	Greeninfra Layout							
	1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-43.40	1	13.40	1.00	1.00	13.40		
	52.50-82.50	1	30.00	1.00	1.00	30.00		
	82.50-112.50	1	30.00	1.00	1.00	30.00		
	112.50-142.50	1	30.00	1.00	1.00	30.00		
	142.50-162.50	1	20.00	1.00	1.00	20.00		
	RHS							
	0.00-13.40	1	13.40	1.00	1.00	13.40		
	22.60-52.60	1	30.00	1.00	1.00	30.00		
	52.60-82.60	1	30.00	1.00	1.00	30.00		

AEE (VRP) SD

	8[illegible]-112.60	1	30.00	1.00	1.00	30.00		
	112.60-142.60	1	30.00	1.00	1.00	30.00		
	142.60-162.50	1	19.90	1.00	1.00	19.90		
	2nd Cross Rd							
	LHS							
	0.00-19.60	1	19.60	1.00	1.00	19.60		
	29.00-59.00	1	30.00	1.00	1.00	30.00		
	59.00-89.00	1	30.00	1.00	1.00	30.00		
	89.00-115.00	1	26.00	1.00	1.00	26.00		
	120.00-130.00	1	10.00	1.00	1.00	10.00		
	RHS							
	0.00-23.80	1	23.80	1.00	1.00	23.80		
	30.20-56.00	1	25.80	1.00	1.00	25.80		
	62.50-82.60	1	20.10	1.00	1.00	20.10		
	88.50-113.50	1	25.00	1.00	1.00	25.00		
	120.00-134.30	1	14.30	1.00	1.00	14.30		
	Cross Rd-1							
	RHS							
	0.00-14.00	1	14.00	1.00	1.00	14.00		
	LHS							
	0.00-14.00	1	14.00	1.00	1.00	14.00		
	Cross Rd-2							
	RHS							
	0.00-21.50	1	21.50	1.00	1.00	21.50		
	LHS							
	0.00-21.50	1	21.50	1.00	1.00	21.50		
	Cross Rd-3							
	RHS							
	0.00-27.50	1	27.50	1.00	1.00	27.50		
	LHS							
	0.00-27.50	1	27.50	1.00	1.00	27.50		
	Cross Rd-4							
	RHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-32.00	1	2.00	1.00	1.00	2.00		
	LHS							
	0.00-30.00	1	30.00	1.00	1.00	30.00		
	30.00-32.00	1	2.00	1.00	1.00	2.00		
	New Culverts							
	Teacher Layout							
	1st Cross Rd	1	6.20	1.30	1.00	8.06		
		1	8.10	1.50	1.00	12.15		
	Sirnidhi Layout							
	D-Mandala Main Rd	1	7.00	1.45	1.00	10.15		
	Kamatha Layout							
	Main Rd	1	6.50	1.35	0.95	8.34		
	Ganesha Layout	1	7.20	1.40	1.00	10.08		
		1	5.40	1.50	0.90	7.29		
	New Culvert							
	Singapura							

AEE (VRP) SD

	M Rd							
		1	4.80	1.20	0.90	5.18		
		1	3.70	1.20	0.95	4.22		
		1	6.10	1.20	0.85	6.22		
		1	8.00	1.50	1.20	14.40		
	4th Cross Rd	1	8.70	1.30	0.80	9.05		
	GreenInfra Layout							
	Cross Rd-1	1	6.40	1.45	1.20	11.14		
	Cross Rd-2	1	6.50	1.50	1.10	10.73		
	Cross Rd-3	1	5.90	1.40	1.15	9.50		
	Cross Rd-4	1	6.50	1.48	1.12	10.77		
	Drain Desilt							
	Defence Layout							
	Devamatha school Rd							
	LHS							
	9.00-17.00	1	8.00	0.55	0.35	1.54		
	17.00-26.50	1	9.50	0.55	0.35	1.83		
	48.70-64.80	1	16.10	0.55	0.36	3.19		
	64.80-80.00	1	15.20	0.55	0.34	2.84		
	80.00-90.00	1	10.00	0.55	0.33	1.82		
	90.00-110.00	1	20.00	0.55	0.36	3.96		
	110.00-122.00	1	12.00	0.55	0.33	2.18		
	122.00-126.00	1	4.00	0.55	0.35	0.77		
	126.00-136.00	1	10.00	0.55	0.34	1.87		
	136.00-141.00	1	5.00	0.55	0.30	0.83		
	141.00-150.00	1	9.00	0.55	0.25	1.24		
	150.00-156.00	1	6.00	0.55	0.35	1.16		
	156.00-172.40	1	16.40	0.55	0.32	2.89		
	183.00-192.90	1	9.90	0.55	0.36	1.96		
	192.90-222.90	1	30.00	0.55	0.39	6.44		
	222.90-245.00	1	22.10	0.55	0.35	4.25		
	245.00-269.50	1	24.50	0.55	0.38	5.12		
	269.50-281.80	1	12.30	0.55	0.45	3.04		
	281.80-293.40	1	11.60	0.55	0.40	2.55		
	RHS							
	0.00-17.00	1	17.00	0.55	0.40	3.74		
	17.00-26.50	1	9.50	0.55	0.45	2.35		
	48.70-78.70	1	30.00	0.55	0.36	5.94		
	78.70-108.70	1	30.00	0.55	0.38	6.27		
	108.70-129.00	1	20.30	0.55	0.39	4.35		
	129.00-153.00	1	24.00	0.55	0.37	4.88		
	153.00-183.00	1	30.00	0.55	0.35	5.78		
	183.00-213.00	1	30.00	0.55	0.40	6.60		
	213.00-235.00	1	22.00	0.55	0.41	4.96		
	235.00-265.00	1	30.00	0.55	0.42	6.93		
	265.00-293.40	1	28.40	0.55	0.42	6.56		
	1st Cross Burial ground Rd							
	LHS							
	0.00-30.00	1	30.00	0.80	0.44	10.56		
	30.00-60.00	1	30.00	0.80	0.36	8.64		
	60.00-90.00	1	30.00	0.80	0.47	11.28		
	90.00-120.00	1	30.00	0.80	0.45	10.80		

AFE APPROVED

	1[illegible]00-137.20	1	17.20	0.80	0.39	5.37		
	150.10-176.60	1	26.50	0.80	0.35	7.42		
	176.60-205.00	1	28.40	0.80	0.36	8.18		
	205.00-216.40	1	11.40	0.80	0.33	3.01		
	216.40-246.40	1	30.00	0.80	0.41	9.84		
	246.40-261.00	1	14.60	0.80	0.43	5.02		
	261.00-263.90	1	2.90	0.80	0.40	0.93		
	263.90-273.40	1	9.50	0.80	0.39	2.96		
	273.40-278.00	1	4.60	0.80	0.38	1.40		
	278.00-308.00	1	30.00	0.80	0.39	9.36		
	308.00-314.30	1	6.30	0.80	0.30	1.51		
	314.30-316.90	1	2.60	0.80	0.45	0.94		
	326.90-334.80	1	7.90	0.80	0.42	2.65		
	334.80-363.00	1	28.20	0.80	0.43	9.70		
	363.00-387.70	1	24.70	0.80	0.40	7.90		
	387.70-400.00	1	12.30	0.80	0.45	4.43		
	400.00-416.10	1	16.10	0.80	0.46	5.87		
	416.10-446.10	1	30.00	0.80	0.39	9.36		
	446.10-449.20	1	3.10	0.80	0.38	0.94		
	449.20-461.00	1	11.80	0.80	0.35	3.30		
	461.00-478.00	1	17.00	0.80	0.37	5.03		
	RHS							
	0.00-16.60	1	16.60	0.80	0.46	6.06		
	16.60-29.50	1	12.90	0.80	0.39	4.02		
	29.50-37.50	1	8.00	0.80	0.38	2.43		
	37.50-42.20	1	4.70	0.80	0.35	1.32		
	42.20-46.90	1	4.70	0.80	0.37	1.39		
	58.40-67.60	1	9.20	0.80	0.39	2.87		
	67.60-80.40	1	12.80	0.80	0.34	3.48		
	95.50-101.00	1	5.50	0.80	0.37	1.63		
	113.00-119.40	1	6.40	0.80	0.40	2.05		
	119.40-130.00	1	10.60	0.80	0.39	3.31		
	130.00-138.00	1	8.00	0.80	0.38	2.43		
	138.00-143.00	1	5.00	0.80	0.39	1.56		
	143.00-169.00	1	26.00	0.80	0.30	6.24		
	169.00-189.90	1	20.90	0.80	0.45	7.52		
	189.90-192.30	1	2.40	0.80	0.00	0.00		
	192.30-195.20	1	2.90	0.80	0.40	0.93		
	199.70-216.40	1	16.70	0.80	0.40	5.34		
	216.40-229.00	1	12.60	0.80	0.39	3.93		
	229.00-239.50	1	10.50	0.80	0.38	3.19		
	239.50-253.00	1	13.50	0.80	0.39	4.21		
	253.00-258.60	1	5.60	0.80	0.30	1.34		
	258.60-263.90	1	5.30	0.80	0.45	1.91		
	271.30-275.10	1	3.80	0.80	0.42	1.28		
	275.10-296.00	1	20.90	0.80	0.39	6.52		
	296.00-302.70	1	6.70	0.80	0.35	1.88		
	302.70-314.30	1	11.60	0.80	0.34	3.16		
	326.90-339.00	1	12.10	0.80	0.40	3.87		
	339.00-351.00	1	12.00	0.80	0.39	3.74		
	351.00-358.00	1	7.00	0.80	0.38	2.13		
	358.00-363.00	1	5.00	0.80	0.39	1.56		
	363.00-393.00	1	30.00	0.80	0.30	7.20		
	393.00-400.00	1	7.00	0.80	0.45	2.52		
	412.00-445.00	1	33.00	0.80	0.38	10.03		
	445.00-449.20	1	4.20	0.80	0.35	1.18		

AEE (VRP) SD

	4 20-478.00	1	28.80	0.80	0.36	8.29		
	Raghavendra Colony							
	3rd Cross Rd							
	LHS							
	0.00-19.70	1	19.70	0.50	0.45	4.43		
	19.70-42.40	1	22.70	0.50	0.43	4.88		
	42.40-54.90	1	12.50	0.50	0.42	2.63		
	54.90-76.50	1	21.60	0.50	0.38	4.10		
	76.50-99.40	1	22.90	0.50	0.39	4.47		
	RHS							
	0.00-10.00	1	10.00	0.50	0.46	2.30		
	10.00-19.70	1	9.70	0.50	0.44	2.13		
	26.10-59.50	1	33.40	0.50	0.41	6.85		
	59.50-76.50	1	17.00	0.50	0.47	4.00		
	76.50-84.90	1	8.40	0.50	0.38	1.60		
	84.90-99.40	1	14.50	0.50	0.35	2.54		
	3rd A Cross Rd							
	LHS							
	0.00-26.00	1	26.00	0.75	0.43	8.39		
	RHS							
	0.00-26.00	1	26.00	0.75	0.38	7.41		
	7th & 8th Cross							
	LHS							
	0.00-30.00	1	30.00	0.45	0.40	5.40		
	30.00-60.00	1	30.00	0.45	0.43	5.81		
	60.00-90.00	1	30.00	0.45	0.41	5.54		
	90.00-104.10	1	14.10	0.45	0.47	2.98		
	RHS							
	0.00-30.00	1	30.00	0.45	0.39	5.27		
	30.00-60.00	1	30.00	0.45	0.38	5.13		
	60.00-90.00	1	30.00	0.45	0.45	6.08		
	90.00-104.10	1	14.10	0.45	0.37	2.35		
	5th Cross Rd							
	LHS							
	0.00-7.60	1	7.60	0.60	0.40	1.82		
	7.60-16.90	1	9.30	0.60	0.44	2.46		
	16.90-47.50	1	30.60	0.60	0.45	8.26		
	47.50-52.70	1	5.20	0.60	0.39	1.22		
	52.70-56.50	1	3.80	0.60	0.35	0.80		
	56.50-86.50	1	30.00	0.60	0.30	5.40		
	86.50-96.00	1	9.50	0.60	0.47	2.68		
	RHS							
	0.00-30.00	1	30.00	0.60	0.39	7.02		
	30.00-38.60	1	8.60	0.60	0.40	2.06		
	38.60-49.40	1	10.80	0.60	0.39	2.53		
	49.40-57.90	1	8.50	0.60	0.35	1.79		
	57.90-74.20	1	16.30	0.60	0.33	3.23		
	74.20-94.60	1	20.40	0.60	0.46	5.63		
	Teacher Layout							
	1st Main Rd							
	LHS							

AEE (VRP) SD

	0.00-30.00	1	30.00	0.50	0.40	6.00		
	30.00-60.00	1	30.00	0.50	0.44	6.60		
	60.00-90.00	1	30.00	0.50	0.45	6.75		
	90.00-120.00	1	30.00	0.50	0.39	5.85		
	120.00-150.00	1	30.00	0.50	0.35	5.25		
	150.00-162.00	1	12.00	0.50	0.30	1.80		
	RHS							
	0.00-30.00	1	30.00	0.50	0.39	5.85		
	30.00-60.00	1	30.00	0.50	0.40	6.00		
	60.00-90.00	1	30.00	0.50	0.39	5.85		
	90.00-120.00	1	30.00	0.50	0.35	5.25		
	120.00-150.00	1	30.00	0.50	0.33	4.95		
	150.00-162.00	1	12.00	0.50	0.46	2.76		
	4th Cross Rd							
	LHS							
	0.00-12.50	1	12.50	0.60	0.45	3.38		
	12.50-39.10	1	26.60	0.60	0.40	6.38		
	39.10-62.50	1	23.40	0.60	0.42	5.90		
	62.50-75.90	1	13.40	0.60	0.43	3.46		
	75.90-85.40	1	9.50	0.60	0.48	2.74		
	85.40-103.50	1	18.10	0.60	0.38	4.13		
	0.00-10.90	1	10.90	0.60	0.39	2.55		
	10.90-21.20	1	10.30	0.60	0.40	2.47		
	21.20-35.40	1	14.20	0.60	0.47	4.00		
	35.40-40.50	1	5.10	0.60	0.42	1.29		
	RHS							
	29.10-59.70	1	30.60	0.60	0.44	8.08		
	67.50-88.00	1	20.50	0.60	0.44	5.41		
	88.00-98.40	1	10.40	0.60	0.46	2.87		
	0.00-17.00	1	17.00	0.60	0.44	4.49		
	17.00-35.40	1	18.40	0.60	0.48	5.30		
	35.40-45.90	1	10.50	0.60	0.39	2.46		
						3608.06	**279.30**	**1007730.36**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 24/04/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
3	Removing and resetting Stone Slab of drain and pointing in C.M (1:3).							
	Top Slab							
	Drain Desilt							
	Defence Layout							
	Devamatha school Rd							
	LHS							
	9.00-17.00	1	8.00	0.90		7.20		
	64.80-80.00	1	15.20	1.00		15.20		
	90.00-110.00	1	20.00	0.90		18.00		
	122.00-126.00	1	4.00	1.20		4.80		
	136.00-141.00	1	5.00	0.90		4.50		
	150.00-156.00	1	6.00	1.00		6.00		
	192.90-222.90	1	30.00	0.90		27.00		
	222.90-245.00	1	22.10	0.90		19.89		
	269.50-281.80	1	12.30	0.90		11.07		
	RHS							
	17.00-26.50	1	9.50	0.90		8.55		
	129.00-153.00	1	24.00	0.90		21.60		
	1st Cross Burial ground Rd							
	LHS							
	176.60-205.00	1	28.40	1.20		34.08		
	273.40-278.00	1	4.60	1.20		5.52		
	278.00-308.00	1	30.00	1.20		36.00		
	308.00-314.30	1	6.30	1.20		7.56		
	334.80-363.00	1	28.20	1.20		33.84		
	416.10-446.10	1	30.00	1.20		36.00		
	446.10-449.20	1	3.10	1.20		3.72		
	461.00-478.00	1	17.00	1.20		20.40		
	RHS							
	16.60-29.50	1	12.90	0.90		11.61		
	37.50-42.20	1	4.70	0.90		4.23		
	42.20-46.90	1	4.70	0.90		4.23		
	58.40-67.60	1	9.20	1.60		14.72		
	119.40-130.00	1	10.60	1.20		12.72		
	138.00-143.00	1	5.00	1.50		7.50		
	169.00-189.90	1	20.90	1.20		25.08		

	21[illegible]0-229.00	1	12.60	0.90		11.34		
	229.00-239.50	1	10.50	0.90		9.45		
	258.60-263.90	1	5.30	1.20		6.36		
	271.30-275.10	1	3.80	1.20		4.56		
	296.00-302.70	1	6.70	1.20		8.04		
	339.00-351.00	1	12.00	0.90		10.80		
	358.00-363.00	1	5.00	1.20		6.00		
	393.00-400.00	1	7.00	0.90		6.30		
	445.00-449.20	1	4.20	1.20		5.04		
	449.20-478.00	1	28.80	1.20		34.56		
	Raghavendra Colony							
	3rd Cross Rd							
	LHS							
	0.00-19.70	1	19.70	0.90		17.73		
	42.40-45.50	1	3.10	0.90		2.79		
	54.90-76.50	1	21.60	0.90		19.44		
	RHS							
	59.50-76.50	1	17.00	0.90		15.30		
	3rd A Cross Rd							
	LHS							
	0.00-26.00	1	26.00	0.90		23.40		
	RHS							
	0.00-26.00	1	26.00	0.90		23.40		
	5th Cross Rd							
	LHS							
	7.60-16.90	1	9.30	0.90		8.37		
	47.50-52.70	1	5.20	0.90		4.68		
	56.50-86.50	1	30.00	1.20		36.00		
	86.50-96.00	1	9.50	1.20		11.40		
	RHS							
	0.00-30.00	1	30.00	0.90		27.00		
	30.00-38.60	1	8.60	0.90		7.74		
	74.20-94.60	1	20.40	0.90		18.36		
	4th Cross Rd							
	LHS							
	12.50-39.10	1	26.60	0.90		23.94		
	62.50-75.90	1	13.40	0.90		12.06		
	85.40-103.50	1	18.10	0.90		16.29		
	10.90-21.20	1	10.30	0.90		9.27		
	35.40-40.50	1	5.10	0.90		4.59		
	RHS							
	29.10-59.70	1	30.60	0.90		27.54		
	67.50-88.00	1	20.50	0.90		18.45		
	17.00-35.40	1	18.40	0.90		16.56		
	35.40-45.90	1	10.50	0.90		9.45		
	New Drains							
	Teacher Layout							
	1st Cross Rd							
	RHS							
	0.00-8.90	1	8.90	0.90		8.01		
	36.00-45.00	1	9.00	0.90		8.10		

AEE (VRP) SD

	5[illegible]-63.00	1	9.00	0.90		8.10		
	73.50-90.00	1	16.50	0.90		14.85		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	29.70-41.10	1	11.40	0.90		10.26		
	43.20-56.60	1	13.40	0.90		12.06		
	70.20-77.20	1	7.00	0.90		6.30		
	0.00-30.00	1	30.00	0.90		27.00		
	30.00-42.60	1	12.60	0.90		11.34		
	52.60-69.10	1	16.50	0.90		14.85		
	2nd Main Rd							
	LHS							
	10.00-40.00	1	30.00	0.90		27.00		
	40.00-47.70	1	7.70	0.90		6.93		
	4th Cross Rd							
	RHS							
	34.00-45.00	1	11.00	0.90		9.90		
	8th F Main Rd (C-Block)							
	RHS							
	13.70-28.70	1	15.00	0.90		13.50		
	Kamatha Layout							
	Main Rd							
	LHS							
	16.40-29.30	1	12.90	0.90		11.61		
	43.20-56.40	1	13.20	0.90		11.88		
	56.40-68.40	1	12.00	0.90		10.80		
	68.40-80.60	1	12.00	0.90		10.80		
	80.60-112.00	1	31.40	0.90		28.26		
	RHS							
	0.00-22.80	1	22.80	0.90		20.52		
	22.80-36.80	1	14.00	0.90		12.60		
	45.00-58.00	1	13.00	0.90		11.70		
	80.30-93.70	1	13.40	0.90		12.06		
	100.20-117.00	1	16.80	0.90		15.12		

AEE (VRP) SD

	J[illegible]ia Masjid							
	Cross Rd							
	LHS							
	0.00-17.00	1	17.00	0.60		10.20		
	25.00-46.30	1	21.30	0.60		12.78		
	Ganesha Layout							
	4th Cross Rd							
	RHS							
	119.30-129.50	1	10.20	0.90		9.18		
					Total Quantity	**1212.94**		
					Boq Quantity	**889.20**		
					Quantity to be reserved	**323.74**		
					Quantity to paid	**889.20**	**127.00**	**112928.40**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 20/05/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
4	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates.							
	New Drains							
	Teacher Layout							
	1st Cross Rd							
	LHS							
	8.90-38.90	1	30.00	0.90	0.15	4.05		
	38.90-68.90	1	30.00	0.90	0.15	4.05		
	68.90-90.00	1	21.10	0.90	0.15	2.85		
	90.00-119.00	1	29.00	0.90	0.15	3.92		
	119.00-143.90	1	24.90	0.90	0.15	3.36		
	RHS							
	8.90-36.00	1	27.10	0.90	0.15	3.66		
	45.00-54.00	1	9.00	0.90	0.15	1.22		
	63.00-73.50	1	10.50	0.90	0.15	1.42		
	73.50-90.00	1	16.50	0.90	0.15	2.23		
	90.00-114.20	1	24.20	0.90	0.15	3.27		
	114.20-134.20	1	20.00	0.90	0.15	2.70		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	0.00-29.70	1	29.70	0.90	0.15	4.01		
	29.70-41.10	1	11.40	0.90	0.15	1.54		
	41.10-43.20	1	2.10	0.90	0.15	0.28		
	43.20-56.60	1	13.40	0.90	0.15	1.81		
	56.60-70.20	1	13.60	0.90	0.15	1.84		
	70.20-77.20	1	7.00	0.90	0.15	0.95		
	77.20-79.00	1	1.80	0.90	0.15	0.24		
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-42.60	1	12.60	0.90	0.15	1.70		
	42.60-52.60	1	10.00	0.90	0.15	1.35		
	52.60-69.10	1	16.50	0.90	0.15	2.23		
	RHS							

AEE (VRP) SD

	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-86.50	1	26.50	0.90	0.15	3.58		
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-37.20	1	7.20	0.90	0.15	0.97		
	2nd Main Rd							
	LHS							
	0.00-10.00	1	10.00	0.90	0.15	1.35		
	10.00-40.00	1	30.00	0.90	0.15	4.05		
	40.00-47.70	1	7.70	0.90	0.15	1.04		
	4th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-85.20	1	25.20	0.90	0.15	3.40		
	RHS							
	0.00-11.00	1	11.00	0.90	0.15	1.49		
	17.50-34.00	1	16.50	0.90	0.15	2.23		
	34.00-45.00	1	11.00	0.90	0.15	1.49		
	53.70-82.80	1	29.10	0.90	0.15	3.93		
	8th F Main Rd (C-Block)							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-76.60	1	16.60	0.90	0.15	2.24		
	RHS							
	0.00-13.70	1	13.70	0.90	0.15	1.85		
	13.70-28.70	1	15.00	0.90	0.15	2.03		
	28.70-58.70	1	30.00	0.90	0.15	4.05		
	58.70-63.60	1	4.90	0.90	0.15	0.66		
	Kamatha Layout							
	Main Rd							
	LHS							
	0.00-16.40	1	16.40	0.90	0.15	2.21		
	16.40-29.30	1	12.90	0.90	0.15	1.74		
	29.30-36.70	1	7.40	0.90	0.15	1.00		
	43.20-56.40	1	13.20	0.90	0.15	1.78		
	68.40-80.60	1	12.00	0.90	0.15	1.62		
	112.00-128.30	1	16.30	0.90	0.15	2.20		
	128.30-145.30	1	17.00	0.90	0.15	2.30		
	RHS							
	0.00-22.80	1	22.80	0.90	0.15	3.08		
	22.80-36.80	1	14.00	0.90	0.15	1.89		
	45.00-58.00	1	13.00	0.90	0.15	1.76		
	58.00-71.30	1	13.30	0.90	0.15	1.80		
	78.30-80.30	1	2.00	0.90	0.15	0.27		
	80.30-93.70	1	13.40	0.90	0.15	1.81		
	100.20-117.00	1	16.80	0.90	0.15	2.27		
	Balaji Layout							
	2nd Main 1st Cross Rd							
	LHS							

AEE (VRP) SD

	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-57.40	1	27.40	0.90	0.15	3.70		
	Jamia Masjid							
	Cross Rd							
	RHS							
	0.00-30.00	1	30.00	0.80	0.15	3.60		
	30.00-60.00	1	30.00	0.80	0.15	3.60		
	LHS							
	0.00-25.00	1	25.00	0.80	0.15	3.00		
	25.00-46.30	1	21.30	0.80	0.15	2.56		
	Ganesha Layout							
	4th Cross Rd							
	LHS							
	38.50-56.00	1	17.50	0.90	0.15	2.36		
	92.70-112.00	1	19.30	0.90	0.15	2.61		
	148.00-167.00	1	19.00	0.90	0.15	2.57		
	RHS							
	26.00-38.50	1	12.50	0.90	0.15	1.69		
	62.50-86.70	1	24.20	0.90	0.15	3.27		
	99.20-112.00	1	12.80	0.90	0.15	1.73		
	119.30-129.50	1	10.20	0.90	0.15	1.38		
	138.70-148.00	1	9.30	0.90	0.15	1.26		
	203.40-212.60	1	9.20	0.90	0.15	1.24		
	Cross Rd							
	RHS							
	0.00-12.50	1	12.50	0.90	0.15	1.69		
	18.20-44.70	1	26.50	0.90	0.15	3.58		
	53.40-79.00	1	25.60	0.90	0.15	3.46		
	LHS							
	0.00-11.70	1	11.70	0.90	0.15	1.58		
	3rd Cross Rd							
	LHS							
	0.00-29.00	1	29.00	0.80	0.15	3.48		
	RHS							
	0.00-29.00	1	29.00	0.80	0.15	3.48		
	Petrol bunk Rd							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-42.60	1	12.60	0.90	0.15	1.70		
	Ward Office Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-45.00	1	15.00	0.90	0.15	2.03		
	45.00-59.00	1	14.00	0.90	0.15	1.89		
	Singapura Layout							
	Vardharaja Swamy Temple Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		

AEE (VRP) SD

	6 0-62.00	1	2.00	0.90	0.15	0.27		
	74.50-92.00	1	17.50	0.90	0.15	2.36		
	RHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-90.00	1	30.00	0.90	0.15	4.05		
	90.00-92.00	1	2.00	0.90	0.15	0.27		
	Main Rd							
	LHS							
	0.00-22.20	1	22.20	0.90	0.15	3.00		
	27.00-50.00	1	23.00	0.90	0.15	3.11		
	54.10-75.30	1	21.20	0.90	0.15	2.86		
	79.10-84.30	1	5.20	0.90	0.15	0.70		
	84.30-87.90	1	3.60	0.90	0.15	0.49		
	87.90-107.60	1	19.70	0.90	0.15	2.66		
	107.60-119.00	1	11.40	0.90	0.15	1.54		
	RHS							
	0.00-8.00	1	8.00	0.90	0.15	1.08		
	14.20-28.50	1	14.30	0.90	0.15	1.93		
	28.50-42.30	1	13.80	0.90	0.15	1.86		
	46.00-68.20	1	22.20	0.90	0.15	3.00		
	74.30-98.00	1	23.70	0.90	0.15	3.20		
	8th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-65.40	1	5.40	0.90	0.15	0.73		
	6th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-90.00	1	30.00	0.90	0.15	4.05		
	90.00-95.60	1	5.60	0.90	0.15	0.76		
	4th Cross Rd							
	RHS							
	0.00-14.00	1	14.00	0.90	0.15	1.89		
	LHS							
	0.00-8.10	1	8.10	0.90	0.15	1.09		
	Greeninfra Layout							
	1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-43.40	1	13.40	0.90	0.15	1.81		
	52.50-82.50	1	30.00	0.90	0.15	4.05		
	82.50-112.50	1	30.00	0.90	0.15	4.05		
	112.50-142.50	1	30.00	0.90	0.15	4.05		
	142.50-162.50	1	20.00	0.90	0.15	2.70		
	RHS							
	0.00-13.40	1	13.40	0.90	0.15	1.81		
	22.60-52.60	1	30.00	0.90	0.15	4.05		
	52.60-82.60	1	30.00	0.90	0.15	4.05		

	8[illegible]0-112.60	1	30.00	0.90	0.15	4.05		
	112.60-142.60	1	30.00	0.90	0.15	4.05		
	142.60-162.50	1	19.90	0.90	0.15	2.69		
	2nd Cross Rd							
	LHS							
	0.00-19.60	1	19.60	0.90	0.15	2.65		
	29.00-59.00	1	30.00	0.90	0.15	4.05		
	59.00-89.00	1	30.00	0.90	0.15	4.05		
	89.00-115.00	1	26.00	0.90	0.15	3.51		
	120.00-130.00	1	10.00	0.90	0.15	1.35		
	RHS							
	0.00-23.80	1	23.80	0.90	0.15	3.21		
	30.20-56.00	1	25.80	0.90	0.15	3.48		
	62.50-82.60	1	20.10	0.90	0.15	2.71		
	88.50-113.50	1	25.00	0.90	0.15	3.38		
	120.00-134.30	1	14.30	0.90	0.15	1.93		
	Cross Rd-1							
	RHS							
	0.00-14.00	1	14.00	0.90	0.15	1.89		
	LHS							
	0.00-14.00	1	14.00	0.90	0.15	1.89		
	Cross Rd-2							
	RHS							
	0.00-21.50	1	21.50	0.90	0.15	2.90		
	LHS							
	0.00-21.50	1	21.50	0.90	0.15	2.90		
	Cross Rd-3							
	RHS							
	0.00-27.50	1	27.50	0.90	0.15	3.71		
	LHS							
	0.00-27.50	1	27.50	0.90	0.15	3.71		
	Cross Rd-4							
	RHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-32.00	1	2.00	0.90	0.15	0.27		
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-32.00	1	2.00	0.90	0.15	0.27		
	New Culverts							
	Teacher Layout							
	1st Cross Rd	1	6.20	1.50	0.15	1.40		
		1	8.10	1.50	0.15	1.82		
	Sirnidhi Layout							
	D-Mandala Main Rd	1	7.00	1.50	0.15	1.58		
	Kamatha Layout							
	Main Rd	1	6.50	1.50	0.15	1.46		
	Ganesha Layout	1	7.20	1.50	0.15	1.62		
		1	5.40	1.50	0.15	1.22		

AEE (VPP) SD

	S. apura							
	Main Rd							
		1	4.80	1.20	0.15	0.86		
		1	3.70	1.20	0.15	0.67		
		1	6.10	1.20	0.15	1.10		
		1	8.00	1.50	0.15	1.80		
	4th Cross Rd	1	8.70	1.30	0.15	1.70		
	GreenInfra Layout							
	Cross Rd-1	1	6.40	1.45	0.15	1.39		
	Cross Rd-2	1	6.50	1.50	0.15	1.46		
	Cross Rd-3	1	5.90	1.40	0.15	1.24		
	Cross Rd-4	1	6.50	1.48	0.15	1.44		
					Total Quantity	**402.11**	**6509.00**	**2617302.00**

Contractor Consultant Assistant/Engineer Asst. Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Measurement : 24/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
5	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate.							
	Culvert - Ramp							
	Teacher Layout							
	1st Cross Rd	2	6.20	1.10	(0.23+0.1)/2	2.25		
		2	8.10	1.20	(0.23+0.1)/2	3.21		
	Sirnidhi Layout							
	D-Mandala Main Rd	2	7.00	1.20	(0.23+0.1)/2	2.77		
	Kamatha Layout							
	Main Rd	2	6.50	1.10	(0.23+0.1)/2	2.36		
	Ganesha Layout	2	7.20	1.20	(0.23+0.1)/2	2.85		
		2	5.40	1.10	(0.23+0.1)/2	1.96		
	Singapura							
	Main Rd							
		2	4.80	1.10	(0.23+0.1)/2	1.74		
		2	3.70	1.00	(0.23+0.1)/2	1.22		
		2	6.10	1.00	(0.23+0.1)/2	2.01		
		2	8.00	1.80	(0.23+0.1)/2	4.75		
	4th Cross Rd	2	8.70	1.00	(0.23+0.1)/2	2.87		
	GreenInfra Layout							
	Cross Rd-1	2	6.40	1.20	(0.23+0.1)/2	2.53		
	Cross Rd-2	2	6.50	1.20	(0.23+0.1)/2	2.57		
	Cross Rd-3	2	5.90	1.20	(0.23+0.1)/2	2.34		
	Cross Rd-4	2	6.50	1.20	(0.23+0.1)/2	2.57		
					Total Quantity	**38.02**	**7217.00**	**274385.29**

Contractor

Consultant

Karnataka Material Testing House Pvt Ltd. Bangalore

Assistant Engineer

Asst. Executive Engineer

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 25/05/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.							
	New Drains							
	Raft Concreting							
	Teacher Layout							
	1st Cross Rd							
	LHS							
	8.90-38.90	1	30.00	0.75	0.15	3.38		
	38.90-68.90	1	30.00	0.75	0.15	3.38		
	68.90-90.00	1	21.10	0.75	0.15	2.37		
	90.00-119.00	1	29.00	0.75	0.15	3.26		
	119.00-143.90	1	24.90	0.75	0.15	2.80		
	RHS							
	8.90-36.00	1	27.10	0.75	0.15	3.05		
	45.00-54.00	1	9.00	0.75	0.15	1.01		
	63.00-73.50	1	10.50	0.75	0.15	1.18		
	73.50-90.00	1	16.50	0.75	0.15	1.86		
	90.00-114.20	1	24.20	0.75	0.15	2.72		
	114.20-134.20	1	20.00	0.75	0.15	2.25		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	0.00-29.70	1	29.70	0.75	0.15	3.34		
	29.70-41.10	1	11.40	0.75	0.15	1.28		
	41.10-43.20	1	2.10	0.75	0.15	0.24		
	43.20-56.60	1	13.40	0.75	0.15	1.51		
	56.60-70.20	1	13.60	0.75	0.15	1.53		
	70.20-77.20	1	7.00	0.75	0.15	0.79		
	77.20-79.00	1	1.80	0.75	0.15	0.20		
	0.00-30.00	1	30.00	0.75	0.15	3.38		

AEE (VRP) GP

	00-42.60	1	12.60	0.75	0.15	1.42		
	42.60-52.60	1	10.00	0.75	0.15	1.13		
	52.60-69.10	1	16.50	0.75	0.15	1.86		
	RHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-60.00	1	30.00	0.90	0.15	4.05		
	60.00-86.50	1	26.50	0.90	0.15	3.58		
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-37.20	1	7.20	0.75	0.15	0.81		
	2nd Main Rd							
	LHS							
	0.00-10.00	1	10.00	0.90	0.15	1.35		
	10.00-40.00	1	30.00	0.90	0.15	4.05		
	40.00-47.70	1	7.70	0.90	0.15	1.04		
	4th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-60.00	1	30.00	0.75	0.15	3.38		
	60.00-85.20	1	25.20	0.75	0.15	2.84		
	RHS							
	0.00-11.00	1	11.00	0.75	0.15	1.24		
	17.50-34.00	1	16.50	0.75	0.15	1.86		
	34.00-45.00	1	11.00	0.75	0.15	1.24		
	53.70-82.80	1	29.10	0.75	0.15	3.27		
	8th F Main Rd (C-Block)							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-60.00	1	30.00	0.75	0.15	3.38		
	60.00-76.60	1	16.60	0.75	0.15	1.87		
	RHS							
	0.00-13.70	1	13.70	0.75	0.15	1.54		
	13.70-28.70	1	15.00	0.75	0.15	1.69		
	28.70-58.70	1	30.00	0.75	0.15	3.38		
	58.70-63.60	1	4.90	0.75	0.15	0.55		
	Kamatha Layout							
	Main Rd							
	LHS							
	0.00-16.40	1	16.40	0.75	0.15	1.85		
	16.40-29.30	1	12.90	0.75	0.15	1.45		
	29.30-36.70	1	7.40	0.75	0.15	0.83		
	43.20-56.40	1	13.20	0.75	0.15	1.49		
	68.40-80.60	1	12.00	0.75	0.15	1.35		
	112.00-128.30	1	16.30	0.75	0.15	1.83		
	128.30-145.30	1	17.00	0.75	0.15	1.91		
	RHS							
	0.00-22.80	1	22.80	0.90	0.15	3.08		
	22.80-36.80	1	14.00	0.90	0.15	1.89		
	45.00-58.00	1	13.00	0.75	0.15	1.46		
	58.00-71.30	1	13.30	0.75	0.15	1.50		
	78.30-80.30	1	2.00	0.75	0.15	0.23		
	80.30-93.70	1	13.40	0.75	0.15	1.51		
	100.20-117.00	1	16.80	0.75	0.15	1.89		

AEE (VRP) SD

	Balaji Layout							
	2nd Main 1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-57.40	1	27.40	0.75	0.15	3.08		
	Jamia Masjid							
	Cross Rd							
	RHS							
	0.00-30.00	1	30.00	0.60	0.15	2.70		
	30.00-60.00	1	30.00	0.60	0.15	2.70		
	LHS							
	0.00-25.00	1	25.00	0.60	0.15	2.25		
	25.00-46.30	1	21.30	0.60	0.15	1.92		
	Ganesha Layout							
	4th Cross Rd							
	LHS							
	38.50-56.00	1	17.50	0.90	0.15	2.36		
	92.70-112.00	1	19.30	0.75	0.15	2.17		
	148.00-167.00	1	19.00	0.75	0.15	2.14		
	RHS							
	26.00-38.50	1	12.50	0.90	0.15	1.69		
	62.50-86.70	1	24.20	0.75	0.15	2.72		
	99.20-112.00	1	12.80	0.75	0.15	1.44		
	119.30-129.50	1	10.20	0.75	0.15	1.15		
	138.70-148.00	1	9.30	0.75	0.15	1.05		
	203.40-212.60	1	9.20	0.90	0.15	1.24		
	Cross Rd							
	RHS							
	0.00-12.50	1	12.50	0.90	0.15	1.69		
	18.20-44.70	1	26.50	0.90	0.15	3.58		
	53.40-79.00	1	25.60	0.90	0.15	3.46		
	LHS							
	0.00-11.70	1	11.70	0.90	0.15	1.58		
	3rd Cross Rd							
	LHS							
	0.00-29.00	1	29.00	0.75	0.15	3.26		
	RHS							
	0.00-29.00	1	29.00	0.75	0.15	3.26		
	Petrol bunk Rd							
	0.00-30.00	1	30.00	0.70	0.15	3.15		
	30.00-42.60	1	12.60	0.70	0.15	1.32		
	Ward Office Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.90	0.15	4.05		
	30.00-45.00	1	15.00	0.90	0.15	2.03		
	45.00-59.00	1	14.00	0.90	0.15	1.89		
	Singapura Layout							

AEE (VRP) SD

	V dharaja Swamy Temple Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-60.00	1	30.00	0.75	0.15	3.38		
	60.00-62.00	1	2.00	0.75	0.15	0.23		
	74.50-92.00	1	17.50	0.75	0.15	1.97		
	RHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-60.00	1	30.00	0.75	0.15	3.38		
	60.00-90.00	1	30.00	0.75	0.15	3.38		
	90.00-92.00	1	2.00	0.75	0.15	0.23		
	Main Rd							
	LHS							
	0.00-22.20	1	22.20	0.75	0.15	2.50		
	27.00-50.00	1	23.00	0.75	0.15	2.59		
	54.10-75.30	1	21.20	0.75	0.15	2.39		
	79.10-84.30	1	5.20	0.75	0.15	0.59		
	84.30-87.90	1	3.60	0.75	0.15	0.41		
	87.90-107.60	1	19.70	0.75	0.15	2.22		
	107.60-119.00	1	11.40	0.75	0.15	1.28		
	RHS							
	0.00-8.00	1	8.00	0.75	0.15	0.90		
	14.20-28.50	1	14.30	0.75	0.15	1.61		
	28.50-42.30	1	13.80	0.75	0.15	1.55		
	46.00-68.20	1	22.20	0.75	0.15	2.50		
	74.30-98.00	1	23.70	0.75	0.15	2.67		
	8th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.70	0.15	3.15		
	30.00-60.00	1	30.00	0.70	0.15	3.15		
	60.00-65.40	1	5.40	0.70	0.15	0.57		
	6th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-60.00	1	30.00	0.75	0.15	3.38		
	60.00-90.00	1	30.00	0.75	0.15	3.38		
	90.00-95.60	1	5.60	0.75	0.15	0.63		
	4th Cross Rd							
	RHS							
	0.00-14.00	1	14.00	0.75	0.15	1.58		
	LHS							
	0.00-8.10	1	8.10	0.75	0.15	0.91		
	Greeninfra Layout							
	1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75	0.15	3.38		
	30.00-43.40	1	13.40	0.75	0.15	1.51		
	52.50-82.50	1	30.00	0.75	0.15	3.38		
	82.50-112.50	1	30.00	0.75	0.15	3.38		
	112.50-142.50	1	30.00	0.75	0.15	3.38		

AEE (VRP) SD

	1[illegible].50-162.50		1	20.00	0.75	0.15	2.25	
	RHS							
	0.00-13.40		1	13.40	0.75	0.15	1.51	
	22.60-52.60		1	30.00	0.75	0.15	3.38	
	52.60-82.60		1	30.00	0.75	0.15	3.38	
	82.60-112.60		1	30.00	0.75	0.15	3.38	
	112.60-142.60		1	30.00	0.75	0.15	3.38	
	142.60-162.50		1	19.90	0.75	0.15	2.24	
	2nd Cross Rd							
	LHS							
	0.00-19.60		1	19.60	0.75	0.15	2.21	
	29.00-59.00		1	30.00	0.75	0.15	3.38	
	59.00-89.00		1	30.00	0.75	0.15	3.38	
	89.00-115.00		1	26.00	0.75	0.15	2.93	
	120.00-130.00		1	10.00	0.75	0.15	1.13	
	RHS							
	0.00-23.80		1	23.80	0.75	0.15	2.68	
	30.20-56.00		1	25.80	0.75	0.15	2.90	
	62.50-82.60		1	20.10	0.75	0.15	2.26	
	88.50-113.50		1	25.00	0.75	0.15	2.81	
	120.00-134.30		1	14.30	0.75	0.15	1.61	
	Cross Rd-1							
	RHS							
	0.00-14.00		1	14.00	0.75	0.15	1.58	
	LHS							
	0.00-14.00		1	14.00	0.75	0.15	1.58	
	Cross Rd-2							
	RHS							
	0.00-21.50		1	21.50	0.75	0.15	2.42	
	LHS							
	0.00-21.50		1	21.50	0.75	0.15	2.42	
	Cross Rd-3							
	RHS							
	0.00-27.50		1	27.50	0.75	0.15	3.09	
	LHS							
	0.00-27.50		1	27.50	0.75	0.15	3.09	
	Cross Rd-4							
	RHS							
	0.00-30.00		1	30.00	0.75	0.15	3.38	
	30.00-32.00		1	2.00	0.75	0.15	0.23	
	LHS							
	0.00-30.00		1	30.00	0.75	0.15	3.38	
	30.00-32.00		1	2.00	0.75	0.15	0.23	
	Side Wall Concreting							
	Teacher Layout							
	1st Cross Rd							
	LHS							
	8.90-38.90		2	30.00	0.15	0.57	5.13	
	38.90-68.90		2	30.00	0.15	0.58	5.22	
	68.90-90.00		2	21.10	0.15	0.59	3.73	

AEE (VRP) SD

	9 0-119.00	2	29.00	0.15	0.59	5.13		
	119.00-143.90	2	24.90	0.15	0.60	4.48		
	RHS							
	8.90-36.00	2	27.10	0.15	0.61	4.96		
	45.00-54.00	2	9.00	0.15	0.59	1.59		
	63.00-73.50	2	10.50	0.15	0.59	1.86		
	73.50-90.00	2	16.50	0.15	0.58	2.87		
	90.00-114.20	2	24.20	0.15	0.59	4.28		
	114.20-134.20	2	20.00	0.15	0.56	3.36		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	0.00-29.70	2	29.70	0.15	0.55	4.90		
	29.70-41.10	2	11.40	0.15	0.56	1.92		
	41.10-43.20	2	2.10	0.15	0.57	0.36		
	43.20-56.60	2	13.40	0.15	0.58	2.33		
	56.60-70.20	2	13.60	0.15	0.59	2.41		
	70.20-77.20	2	7.00	0.15	0.60	1.26		
	77.20-79.00	2	1.80	0.15	0.61	0.33		
	0.00-30.00	2	30.00	0.15	0.62	5.58		
	30.00-42.60	2	12.60	0.15	0.63	2.38		
	42.60-52.60	2	10.00	0.15	0.65	1.95		
	52.60-69.10	2	16.50	0.15	0.66	3.27		
	RHS							
	0.00-30.00	2	30.00	0.15	0.66	5.94		
	30.00-60.00	2	30.00	0.15	0.65	5.85		
	60.00-86.50	2	26.50	0.15	0.64	5.09		
	0.00-30.00	2	30.00	0.15	0.63	5.67		
	30.00-37.20	2	7.20	0.15	0.62	1.34		
	2nd Main Rd							
	LHS							
	0.00-10.00	2	10.00	0.15	0.61	1.83		
	10.00-40.00	2	30.00	0.15	0.62	5.58		
	40.00-47.70	2	7.70	0.15	0.64	1.48		
	4th Cross Rd							
	LHS							
	0.00-30.00	2	30.00	0.14	0.56	4.70		
	30.00-60.00	2	30.00	0.12	0.59	4.25		
	60.00-85.20	2	25.20	0.14	0.62	4.37		
	RHS							
	0.00-11.00	2	11.00	0.15	0.61	2.01		
	17.50-34.00	2	16.50	0.15	0.62	3.07		
	34.00-45.00	2	11.00	0.15	0.61	2.01		
	53.70-82.80	2	29.10	0.15	0.61	5.33		
	8th F Main Rd (C-Block)							
	LHS							
	0.00-30.00	2	30.00	0.15	0.56	5.04		
	30.00-60.00	2	30.00	0.15	0.47	4.23		
	60.00-76.60	2	16.60	0.15	0.48	2.39		
	RHS							
	0.00-13.70	2	13.70	0.15	0.57	2.34		
	13.70-28.70	2	15.00	0.15	0.50	2.25		

AEE (VRP) SD

	2[illegible]0-58.70	2	30.00	0.15	0.51	4.59		
	58.70-63.60	2	4.90	0.15	0.58	0.85		
	Kamatha Layout							
	Main Rd							
	LHS							
	0.00-16.40	2	16.40	0.15	0.50	2.46		
	16.40-29.30	2	12.90	0.15	0.61	2.36		
	29.30-36.70	2	7.40	0.15	0.60	1.33		
	43.20-56.40	2	13.20	0.15	0.59	2.34		
	68.40-80.60	2	12.00	0.15	0.62	2.23		
	112.00-128.30	2	16.30	0.15	0.81	3.96		
	128.30-145.30	2	17.00	0.15	0.74	3.77		
	RHS							
	0.00-22.80	2	22.80	0.15	1.10	7.52		
	22.80-36.80	2	14.00	0.12	1.00	3.36		
	45.00-58.00	2	13.00	0.15	0.58	2.26		
	58.00-71.30	2	13.30	0.10	0.60	1.60		
	78.30-80.30	2	2.00	0.15	0.61	0.37		
	80.30-93.70	2	13.40	0.15	0.62	2.49		
	100.20-117.00	2	16.80	0.15	0.60	3.02		
	Balaji Layout							
	2nd Main 1st Cross Rd							
	LHS							
	0.00-30.00	2	30.00	0.15	0.63	5.67		
	30.00-57.40	2	27.40	0.15	0.60	4.93		
	Jamia Masjid							
	Cross Rd							
	RHS							
	0.00-30.00	2	30.00	0.10	0.43	2.58		
	30.00-60.00	2	30.00	0.10	0.47	2.82		
	LHS							
	0.00-25.00	2	25.00	0.10	0.44	2.20		
	25.00-46.30	2	21.30	0.10	0.45	1.92		
	Ganesha Layout							
	4th Cross Rd							
	LHS							
	38.50-56.00	2	17.50	0.15	0.60	3.15		
	92.70-112.00	2	19.30	0.15	0.62	3.59		
	148.00-167.00	2	19.00	0.15	0.60	3.42		
	RHS							
	26.00-38.50	2	12.50	0.15	0.62	2.33		
	62.50-86.70	2	24.20	0.15	0.60	4.36		
	99.20-112.00	2	12.80	0.15	0.61	2.34		
	119.30-129.50	2	10.20	0.15	0.60	1.84		
	138.70-148.00	2	9.30	0.15	0.60	1.67		
	203.40-212.60	2	9.20	0.15	0.91	2.51		
	Cross Rd							
	RHS							
	0.00-12.50	2	12.50	0.15	0.60	2.25		
	18.20-44.70	2	26.50	0.15	0.72	5.72		
	53.40-79.00	2	25.60	0.15	0.73	5.61		

AEE (VRP) SD

	L S							
	0.00-11.70	2	11.70	0.15	0.79	2.77		
	3rd Cross Rd							
	LHS							
	0.00-29.00	2	29.00	0.15	0.60	5.22		
	RHS							
	0.00-29.00	2	29.00	0.15	0.60	5.22		
	Petrol bunk Rd							
	0.00-30.00	2	30.00	0.15	0.54	4.86		
	30.00-42.60	2	12.60	0.15	0.48	1.81		
	Ward Office Opp Rd							
	LHS							
	0.00-30.00	2	30.00	0.15	0.60	5.40		
	30.00-45.00	2	15.00	0.15	0.60	2.70		
	45.00-59.00	2	14.00	0.15	1.15	4.83		
	Singapura Layout							
	Vardharaja Swamy Temple Opp Rd							
	LHS							
	0.00-30.00	2	30.00	0.15	0.40	3.60		
	30.00-60.00	2	30.00	0.14	0.45	3.78		
	60.00-62.00	2	2.00	0.15	0.50	0.30		
	74.50-92.00	2	17.50	0.13	0.55	2.50		
	RHS							
	0.00-30.00	2	30.00	0.15	0.42	3.78		
	30.00-60.00	2	30.00	0.15	0.45	4.05		
	60.00-90.00	2	30.00	0.15	0.50	4.50		
	90.00-92.00	2	2.00	0.15	0.54	0.32		
	Main Rd							
	LHS							
	0.00-22.20	2	22.20	0.15	0.50	3.33		
	27.00-50.00	2	23.00	0.15	0.56	3.86		
	54.10-75.30	2	21.20	0.15	0.54	3.43		
	79.10-84.30	2	5.20	0.15	0.48	0.75		
	84.30-87.90	2	3.60	0.15	0.56	0.60		
	87.90-107.60	2	19.70	0.15	0.55	3.25		
	107.60-119.00	2	11.40	0.15	0.58	1.98		
	RHS							
	0.00-8.00	2	8.00	0.15	0.60	1.44		
	14.20-28.50	2	14.30	0.15	0.59	2.53		
	28.50-42.30	2	13.80	0.15	0.55	2.28		
	46.00-68.20	2	22.20	0.15	0.57	3.80		
	74.30-98.00	2	23.70	0.15	0.58	4.12		
	8th Cross Rd							
	LHS							
	0.00-30.00	2	30.00	0.13	0.40	3.12		
	30.00-60.00	2	30.00	0.15	0.45	4.05		
	60.00-65.40	2	5.40	0.14	0.50	0.76		
	6th Cross Rd							

AEE (VRP)

	RHS							
	0.00-30.00	2	30.00	0.15	0.55	4.95		
	30.00-60.00	2	30.00	0.14	0.56	4.70		
	60.00-90.00	2	30.00	0.15	0.58	5.22		
	90.00-95.60	2	5.60	0.12	0.54	0.73		
	4th Cross Rd							
	0.00-14.00	2	14.00	0.14	0.60	2.35		
	LHS							
	0.00-8.10	2	8.10	0.15	0.55	1.34		
	Greeninfra Layout							
	1st Cross Rd							
	LHS							
	0.00-30.00	2	30.00	0.15	0.58	5.22		
	30.00-43.40	2	13.40	0.15	0.59	2.37		
	52.50-82.50	2	30.00	0.15	0.60	5.40		
	82.50-112.50	2	30.00	0.15	0.59	5.31		
	112.50-142.50	2	30.00	0.15	0.59	5.31		
	142.50-162.50	2	20.00	0.15	0.60	3.60		
	RHS							
	0.00-13.40	2	13.40	0.15	0.60	2.41		
	22.60-52.60	2	30.00	0.15	0.61	5.49		
	52.60-82.60	2	30.00	0.15	0.62	5.58		
	82.60-112.60	2	30.00	0.15	0.59	5.31		
	112.60-142.60	2	30.00	0.15	0.60	5.40		
	142.60-162.50	2	19.90	0.15	0.61	3.64		
	2nd Cross Rd							
	LHS							
	0.00-19.60	2	19.60	0.15	0.60	3.53		
	29.00-59.00	2	30.00	0.15	0.56	5.04		
	59.00-89.00	2	30.00	0.15	0.60	5.40		
	89.00-115.00	2	26.00	0.15	0.57	4.45		
	120.00-130.00	2	10.00	0.15	0.62	1.86		
	RHS							
	0.00-23.80	2	23.80	0.15	0.60	4.28		
	30.20-56.00	2	25.80	0.15	0.59	4.57		
	62.50-82.60	2	20.10	0.15	0.61	3.68		
	88.50-113.50	2	25.00	0.15	0.61	4.58		
	120.00-134.30	2	14.30	0.15	0.59	2.53		
	Cross Rd-1							
	RHS							
	0.00-14.00	2	14.00	0.15	0.58	2.44		
	LHS							
	0.00-14.00	2	14.00	0.15	0.62	2.60		
	Cross Rd-2							
	RHS							
	0.00-21.50	2	21.50	0.15	0.62	4.00		
	LHS							
	0.00-21.50	2	21.50	0.15	0.59	3.81		
	Cross Rd-3							
	RHS							

AEE (VRP) SD

	)-27.50	2	27.50	0.15	0.59	4.87		
	LHS							
	0.00-27.50	2	27.50	0.15	0.58	4.79		
	Cross Rd-4							
	RHS							
	0.00-30.00	2	30.00	0.15	0.59	5.31		
	30.00-32.00	2	2.00	0.15	0.60	0.36		
	LHS							
	0.00-30.00	2	30.00	0.15	0.60	5.40		
	30.00-32.00	2	2.00	0.15	0.59	0.35		
	New Culverts							
	Raft Concreting							
	Teacher Layout							
	1st Cross Rd	1	6.20	1.20	0.20	1.49		
		1	8.10	1.20	0.20	1.94		
	Sirnidhi Layout							
	D-Mandala Main Rd	1	7.00	1.20	0.20	1.68		
	Kamatha Layout							
	Main Rd	1	6.50	1.20	0.20	1.56		
	Ganesha Layout	1	7.20	1.20	0.20	1.73		
		1	5.40	1.20	0.20	1.30		
	Singapura							
	Main Rd							
		1	4.80	1.05	0.20	1.01		
		1	3.70	1.00	0.20	0.74		
		1	6.10	1.00	0.20	1.22		
		1	8.00	1.20	0.20	1.92		
	4th Cross Rd	1	8.70	1.05	0.20	1.83		
	GreenInfra Layout							
	Cross Rd-1	1	6.40	1.20	0.20	1.54		
	Cross Rd-2	1	6.50	1.20	0.20	1.56		
	Cross Rd-3	1	5.90	1.20	0.20	1.42		
	Cross Rd-4	1	6.50	1.20	0.20	1.56		
	Side Wall Concreting							
	Teacher Layout							
	1st Cross Rd	2	6.20	0.23	0.61	1.74		
		2	8.10	0.23	0.42	1.56		
	Sirnidhi Layout							
	D-Mandala Main Rd	2	7.00	0.23	0.60	1.93		
	Kamatha Layout							
	Main Rd	2	6.50	0.23	0.60	1.79		
	Ganesha Layout	2	7.20	0.23	0.62	2.05		
		2	5.40	0.23	0.60	1.49		
	Singapura							
	Main Rd							
		2	4.80	0.23	0.45	0.99		
		2	3.70	0.23	0.40	0.68		
		2	6.10	0.23	0.40	1.12		
		2	8.00	0.23	0.58	2.13		
	4th Cross Rd	2	8.70	0.23	0.35	1.40		
	GreenInfra Layout							

AEE (VRP) SD

	ss Rd-1	2	6.40	0.23	0.60	1.77		
	Cross Rd-2	2	6.50	0.23	0.55	1.64		
	Cross Rd-3	2	5.90	0.23	0.58	1.57		
	Cross Rd-4	2	6.50	0.23	0.59	1.76		
					Total Quantity	**861.20**	**8029.00**	**6914545.00**

Contractor

Consultant

Assistant Engineer

Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಪಟ್ಟಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿಕ್ಟೋರಿಯಾ ರಸ್ತೆ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 23/05/24

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
7	Supplying, Fitting and Placing TMT FE 550/550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operation complete as per Drawing and Technical Specifications.All other types of structures								
	New Drains								
	Teacher Layout								
	1st Cross Rd								
	Total Drain length=242.30m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1615.00Nos		1615	2.14		0.62	2143.2		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	242.30		0.40	1453.8		
	Sirnidhi Layout								
	D-Mandala Main Rd								
	Total Drain length=271.80m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1812.00Nos		1812	2.14		0.62	2442.9		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	271.80		0.40	1712.3		
	2nd Main Rd								
	Total Drain length=47.70m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=318.00Nos		318	2.29		0.62	451.5		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		16	47.70		0.40	305.3		
	4th Cross Rd								
	Total Drain length=152.80m								
	Main bar 10mm dia bar @ 150mm								

	2kg/mtr								
	No of U-bar=1091.00Nos		1091	2.14		0.62	1448.1		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	152.80		0.40	916.8		
	8th F Main Rd (C-Block)								
	Total Drain length=140.20m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1001.00Nos		1001	2.14		0.62	1328.7		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	140.20		0.40	841.2		
	Kamatha Layout								
	Main Rd								
	Total Drain length=190.50m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1361.00Nos		1361	2.29		0.62	1931.9		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		16	190.50		0.40	1219.2		
	Balaji Layout								
	2nd Main 1st Cross Rd								
	Total Drain length=57.40m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=383.00Nos		383	2.17		0.62	514.8		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	57.40		0.40	344.4		
	Jamia Masjid								
	Cross Rd								
	Total Drain length=106.30m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=709.00Nos		709	1.68		0.62	738.1		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		12	106.30		0.40	510.2		
	Ganesha Layout								
	4th Cross Rd								
	Total Drain length=48.50m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=323.00Nos		323	2.29		0.62	459.1		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		16	48.50		0.40	310.4		

AEE (VRP) SD

	4th Cross Rd								
	Total Drain length=75.30m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=502.00Nos		502	2.14			0.62	666.1	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	75.30			0.40	451.8	
	Cross Rd								
	Total Drain length=76.30m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=509.00Nos		509	2.50			0.62	788.4	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		17	76.30			0.40	518.8	
	3rd Cross Rd								
	Total Drain length=58.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=387.00Nos		387	2.14			0.62	513.0	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	58.00			0.40	348.0	
	Petrol bunk Rd								
	Total Drain length=42.60m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=284.00Nos		284	2.03			0.62	357.4	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		14	42.60			0.40	238.6	
	Ward Office Opp Rd								
	Total Drain length=59.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=393.00Nos		393	2.64			0.62	643.8	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		18	59.00			0.40	424.8	
	Singapura Layout								
	Vardharaja Swamy Temple Opp Rd								
	Total Drain length=171.50m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1143.00Nos		1143	1.89			0.62	1339.8	
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								

AEE (VRP) SD

	0.40kg/mtr,		13	170.50		0.40	930.9		
	Main Rd								
	Total Drain length=188.30m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1255.00Nos		1255	2.05		0.62	1621.3		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		14	188.30		0.40	1080.8		
	8th Cross Rd								
	Total Drain length=65.40m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=467.00Nos		467	1.83		0.62	530.0		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		13	65.40		0.40	340.1		
	6th Cross Rd								
	Total Drain length=95.60m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=637.00Nos		637	2.05		0.62	810.1		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		14	95.60		0.40	535.4		
	4th Cross Rd								
	Total Drain length=22.10m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=147.00Nos		147	2.14		0.62	195.5		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	22.10		0.40	132.6		
	Greeninfra Layout								
	1st Cross Rd								
	Total Drain length=306.70m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=2191.00Nos		2191	2.14		0.62	2906.6		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	306.70		0.40	1932.2		
	2nd Cross Rd								
	Total Drain length=224.60m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=1604.00Nos		1604	2.14		0.62	2128.6		
	Distribution bar								

AEE (VRP) SD

	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	224.60		0.40	1347.6		
	Cross Rd-1								
	Total Drain length=28.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=187.00Nos		187	2.14		0.62	247.7		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	28.00		0.40	168.0		
	Cross Rd-2								
	Total Drain length=43.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=287.00Nos		287	2.14		0.62	380.3		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	43.00		0.40	258.0		
	Cross Rd-3								
	Total Drain length=55.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=367.00Nos		367	2.14		0.62	486.5		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	55.00		0.40	330.0		
	Cross Rd-4								
	Total Drain length=64.00m								
	Main bar 10mm dia bar @ 150mm								
	0.62kg/mtr								
	No of U-bar=427.00Nos		427	2.14		0.62	566.1		
	Distribution bar								
	Distribution bar 8mm dia @ 150mm								
	0.40kg/mtr,		15	64.00		0.40	384.0		
	New Culverts								
	Teacher Layout								
	1st Cross Rd								
	Total Culvert length=6.20m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=83.00Nos		83	2.71		0.90	201.6		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	6.20		0.62	138.4		
	Total Culvert length=8.10m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=108.00Nos		108	2.33		0.90	226.5		

AEE (VRP) SD

	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		32	8.10		0.62	160.7		
	Sirnidhi Layout								
	D-Mandala Main Rd								
	Total Culvert length=7.00m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=93.00Nos		93	2.69		0.90	226.0		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	7.00		0.62	156.2		
	Kamatha Layout								
	Main Rd								
	Total Culvert length=6.50m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=87.00Nos		87	2.69		0.90	209.8		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	6.50		0.62	145.1		
	Ganesha Layout								
	Surrounding Area								
	Total Culvert length=12.60m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=168.00Nos		168	2.71		0.90	409.8		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	12.60		0.62	281.2		
	Singapura								
	Total Culvert length=4.80m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=64.00Nos		64	2.24		0.90	129.0		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		30	4.80		0.62	89.3		
	Total Culvert length=3.70m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=49.00Nos		49	2.09		0.90	92.8		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								

AEE (VRP) SD

	0.62kg/mtr, Double Mat		28	3.70		0.62	64.2		
	Total Culvert length=6.10m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=81.00Nos		81	2.09		0.90	153.0		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		28	6.10		0.62	105.9		
	Total Culvert length=8.00m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=107.00Nos		107	2.65		0.90	254.4		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	8.00		0.62	178.6		
	4th Cross Rd								
	Total Culvert length=8.70m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=116.00Nos		116	2.04		0.90	213.0		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		28	8.70		0.62	151.0		
	GreenInfra Layout								
	Cross Rd-1								
	Total Culvert length=6.40m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=85.00Nos		85	2.69		0.90	206.6		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	6.40		0.62	142.8		
	Cross Rd-2								
	Total Culvert length=6.50m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=87.00Nos		87	2.69		0.90	209.8		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	6.50		0.62	145.1		
	Cross Rd-3								
	Total Culvert length=5.90m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=79.00Nos		79	2.69		0.90	190.5		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	5.90		0.62	131.7		

	Cross Rd-4								
	Total Culvert length=6.50m								
	Main bar 12mm dia bar @ 150mm								
	0.90kg/mtr Double Mat								
	No of U-bar=87.00Nos		87	2.69		0.90	209.8		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.62kg/mtr, Double Mat		36	6.50		0.62	145.1		
							47642.74		
						Total Quantity	**47.64**	**91204.00**	**4345208.23**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

Karnataka Material Testing House Pvt. Ltd. ★ Bangalore ★

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಿಮಾನನಿಲ್ದಾಣದ ಉಪ ವಿಭಾಗ
ಬಿ.ಐ.ಎ.ಎಲ್., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Measurement : 24/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
8	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.							
	New Drains							
	Teacher Layout							
	1st Cross Rd							
	LHS							
	8.90-38.90	1	30.00	0.75		22.50		
	38.90-68.90	1	30.00	0.75		22.50		
	68.90-90.00	1	21.10	0.75		15.83		
	90.00-119.00	1	29.00	0.75		21.75		
	119.00-143.90	1	24.90	0.75		18.68		
	RHS							
	8.90-36.00	1	27.10	0.75		20.33		
	45.00-54.00	1	9.00	0.75		6.75		
	63.00-73.50	1	10.50	0.75		7.88		
	90.00-114.20	1	24.20	0.75		18.15		
	114.20-134.20	1	20.00	0.75		15.00		
	Sirnidhi Layout							
	D-Mandala Main Rd							
	LHS							
	0.00-29.70	1	29.70	0.75		22.28		
	41.10-43.20	1	2.10	0.75		1.58		
	56.60-70.20	1	13.60	0.75		10.20		
	77.20-79.00	1	1.80	0.75		1.35		
	42.60-52.60	1	10.00	0.75		7.50		
	RHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-86.50	1	26.50	0.75		19.88		
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-37.20	1	7.20	0.75		5.40		
	2nd Main Rd							
	LHS							

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

	0.00-10.00	1	10.00	0.90		9.00		
	4th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-85.20	1	25.20	0.75		18.90		
	RHS							
	0.00-11.00	1	11.00	0.75		8.25		
	17.50-34.00	1	16.50	0.75		12.38		
	53.70-82.80	1	29.10	0.75		21.83		
	8th F Main Rd (C-Block)							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-76.60	1	16.60	0.75		12.45		
	RHS							
	0.00-13.70	1	13.70	0.75		10.28		
	28.70-58.70	1	30.00	0.75		22.50		
	58.70-63.60	1	4.90	0.75		3.68		
	Kamatha Layout							
	Main Rd							
	LHS							
	0.00-16.40	1	16.40	0.75		12.30		
	29.30-36.70	1	7.40	0.75		5.55		
	112.00-128.30	1	16.30	0.75		12.23		
	128.30-145.30	1	17.00	0.75		12.75		
	RHS							
	58.00-71.30	1	13.30	0.75		9.98		
	78.30-80.30	1	2.00	0.75		1.50		
	Balaji Layout							
	2nd Main 1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-57.40	1	27.40	0.75		20.55		
	Jamia Masjid							
	Cross Rd							
	RHS							
	0.00-30.00	1	30.00	0.60		18.00		
	30.00-60.00	1	30.00	0.60		18.00		
	LHS							
	17.00-25.00	1	8.00	0.60		4.80		
	Ganesha Layout							
	4th Cross Rd							
	LHS							
	38.50-56.00	1	17.50	0.90		15.75		
	92.70-112.00	1	19.30	0.75		14.48		
	148.00-167.00	1	19.00	0.75		14.25		
	RHS							
	26.00-38.50	1	12.50	0.90		11.25		
	62.50-86.70	1	24.20	0.75		18.15		

	99.20-112.00	1	12.80	0.75		9.60		
	138.70-148.00	1	9.30	0.90		8.37		
	203.40-212.60	1	9.20	0.90		8.28		
	Cross Rd							
	RHS							
	0.00-12.50	1	12.50	0.90		11.25		
	18.20-44.70	1	26.50	0.90		23.85		
	53.40-79.00	1	25.60	0.90		23.04		
	LHS							
	0.00-11.70	1	11.70	0.90		10.53		
	3rd Cross Rd							
	LHS							
	0.00-29.00	1	29.00	0.60		17.40		
	RHS							
	0.00-29.00	1	29.00	0.90		26.10		
	Raghavendra Colony							
	3rd Cross Rd							
	LHS							
	76.50-99.40	1	22.90	0.90		20.61		
	RHS							
	0.00-10.00	1	10.00	0.90		9.00		
	10.00-19.70	1	9.70	0.90		8.73		
	76.50-84.90	1	8.40	0.90		7.56		
	Defence Layout							
	1st Cross Burial ground Rd							
	LHS							
	90.00-120.00	1	30.00	1.20		36.00		
	120.00-137.20	1	17.20	1.20		20.64		
	150.10-176.60	1	26.50	1.20		31.80		
	246.40-261.00	1	14.60	1.20		17.52		
	261.00-263.90	1	2.90	1.20		3.48		
	263.90-273.40	1	9.50	1.20		11.40		
	314.30-316.90	1	2.60	1.20		3.12		
	326.90-334.80	1	7.90	1.20		9.48		
	387.70-400.00	1	12.30	1.20		14.76		
	449.20-461.00	1	11.80	1.20		14.16		
	RHS							
	0.00-16.60	1	16.60	1.20		19.92		
	29.50-37.50	1	8.00	1.20		9.60		
	67.60-80.40	1	12.80	1.20		15.36		
	95.50-101.00	1	5.50	1.20		6.60		
	113.00-119.40	1	6.40	1.20		7.68		
	130.00-138.00	1	8.00	1.20		9.60		
	192.30-195.20	1	2.90	0.90		2.61		
	199.70-216.40	1	16.70	1.20		20.04		
	239.50-253.00	1	13.50	1.20		16.20		
	253.00-258.60	1	5.60	1.20		6.72		
	263.90-271.30	1	7.40	1.20		8.88		
	275.10-296.00	1	20.90	1.20		25.08		
	302.70-314.30	1	11.60	1.20		13.92		
	326.90-339.00	1	12.10	1.20		14.52		
	351.00-358.00	1	7.00	1.20		8.40		

AEE (VRP) SD

	41[illegible].00-445.00	1	33.00	1.20		39.60		
	Add missing or Damged Slab							
	Surrounding Area	100	0.60	0.90		54.00		
	Petrol bunk Rd							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-42.60	1	12.60	0.75		9.45		
	Ward Office Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.90		27.00		
	30.00-45.00	1	15.00	0.90		13.50		
	45.00-59.00	1	14.00	0.90		12.60		
	Singapura Layout							
	Vardharaja Swamy Temple Opp Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-62.00	1	2.00	0.75		1.50		
	74.50-92.00	1	17.50	0.75		13.13		
	RHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-90.00	1	30.00	0.75		22.50		
	90.00-92.00	1	2.00	0.75		1.50		
	Main Rd							
	LHS							
	0.00-22.20	1	22.20	0.75		16.65		
	27.00-50.00	1	23.00	0.75		17.25		
	54.10-75.30	1	21.20	0.75		15.90		
	79.10-84.30	1	5.20	0.90		4.68		
	84.30-87.90	1	3.60	0.75		2.70		
	87.90-107.60	1	19.70	0.90		17.73		
	107.60-119.00	1	11.40	0.75		8.55		
	RHS							
	0.00-8.00	1	8.00	0.60		4.80		
	14.20-28.50	1	14.30	0.60		8.58		
	28.50-42.30	1	13.80	0.75		10.35		
	46.00-68.20	1	22.20	0.75		16.65		
	74.30-98.00	1	23.70	0.75		17.78		
	8th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.60		18.00		
	30.00-60.00	1	30.00	0.60		18.00		
	60.00-65.40	1	5.40	0.60		3.24		
	6th Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-60.00	1	30.00	0.75		22.50		
	60.00-90.00	1	30.00	0.75		22.50		

AEE (VRP) SD

	90.00-95.60	1	5.60	0.75		4.20		
	4th Cross Rd							
	RHS							
	0.00-14.00	1	14.00	0.75		10.50		
	LHS							
	0.00-8.10	1	8.10	0.75		6.08		
	Greeninfra Layout							
	1st Cross Rd							
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-43.40	1	13.40	0.75		10.05		
	52.50-82.50	1	30.00	0.75		22.50		
	82.50-112.50	1	30.00	0.75		22.50		
	112.50-142.50	1	30.00	0.75		22.50		
	142.50-162.50	1	20.00	0.75		15.00		
	RHS							
	0.00-13.40	1	13.40	0.75		10.05		
	22.60-52.60	1	30.00	0.75		22.50		
	52.60-82.60	1	30.00	0.75		22.50		
	82.60-112.60	1	30.00	0.75		22.50		
	112.60-142.60	1	30.00	0.75		22.50		
	142.60-162.50	1	19.90	0.75		14.93		
	2nd Cross Rd							
	LHS							
	0.00-19.60	1	19.60	0.75		14.70		
	29.00-59.00	1	30.00	0.75		22.50		
	59.00-89.00	1	30.00	0.75		22.50		
	89.00-115.00	1	26.00	0.75		19.50		
	120.00-130.00	1	10.00	0.75		7.50		
	RHS							
	0.00-23.80	1	23.80	0.75		17.85		
	30.20-56.00	1	25.80	0.75		19.35		
	62.50-82.60	1	20.10	0.75		15.08		
	88.50-113.50	1	25.00	0.75		18.75		
	120.00-134.30	1	14.30	0.75		10.73		
	Cross Rd-1							
	RHS							
	0.00-14.00	1	14.00	0.75		10.50		
	LHS							
	0.00-14.00	1	14.00	0.75		10.50		
	Cross Rd-2							
	RHS							
	0.00-21.50	1	21.50	0.75		16.13		
	LHS							
	0.00-21.50	1	21.50	0.75		16.13		
	Cross Rd-3							
	RHS							
	0.00-27.50	1	27.50	0.75		20.63		
	LHS							
	0.00-27.50	1	27.50	0.75		20.63		

AEE (VRP) SD

	Cross Rd-4							
	RHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-32.00	1	2.00	0.75		1.50		
	LHS							
	0.00-30.00	1	30.00	0.75		22.50		
	30.00-32.00	1	2.00	0.75		1.50		
					Total Quantity	**2375.49**	**1350.30**	**3207624.15**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Measurement : 24/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
9	Providing and Fixing pre cast Covering Slab 230mm thick made out of M20 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge.							
	New Culverts							
	Teacher Layout							
	1st Cross Rd	1	6.20	1.50		9.30		
		1	8.10	1.50		12.15		
	Sirnidhi Layout							
	D-Mandala Main Rd	1	7.00	1.50		10.50		
	Kamatha Layout							
	Main Rd	1	6.50	1.50		9.75		
	Ganesha Layout	1	7.20	1.20		8.64		
		1	5.40	1.20		6.48		
	Singapura							
	Main Rd							
		1	4.80	1.20		5.76		
		1	3.70	1.20		4.44		
		1	6.10	1.20		7.32		
		1	8.00	1.20		9.60		
	4th Cross Rd	1	8.70	1.20		10.44		
	GreenInfra Layout							
	Cross Rd-1	1	6.40	1.20		7.68		
	Cross Rd-2	1	6.50	1.20		7.80		
	Cross Rd-3	1	5.90	1.20		7.08		
	Cross Rd-4	1	6.50	1.20		7.80		
					Total Quantity	**124.74**	**5286.50**	**659438.01**

Contractor | Consultant | Assistant Engineer | Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಇಂಜಿನಿಯರ್
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 11/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
11	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.							
	Asphalt Road							
	Damaged portion And cutting Portion							
	Defence Layout							
	Devamatha school Rd							
		1	5.50	3.20	0.20	3.52		
		1	4.00	2.80	0.18	2.02		
		1	6.00	3.20	0.21	4.03		
		1	4.00	5.40	0.22	4.75		
		1	2.00	6.00	0.19	2.28		
		1	4.30	5.70	0.21	5.15		
		1	7.60	4.60	0.20	6.99		
		1	4.00	3.20	0.21	2.69		
		1	3.80	3.20	0.19	2.31		
		1	8.40	4.40	0.18	6.65		
		1	3.00	4.00	0.22	2.64		
		1	6.40	3.40	0.24	5.22		
		1	6.90	4.50	0.26	8.07		
		1	6.60	5.00	0.22	7.26		
		1	6.50	3.20	0.26	5.41		
		1	4.50	4.50	0.22	4.46		
		1	6.60	4.20	0.20	5.54		
	Burial ground Rd Connecting Rd							
		1	2.00	2.00	0.20	0.80		
		1	3.20	2.50	0.21	1.68		
		1	2.80	2.00	0.20	1.12		
		1	2.40	1.80	0.23	0.99		
		1	6.40	4.00	0.19	4.86		
		1	4.50	3.80	0.21	3.59		
	Cross Rd							

AEE (VRP) SD

		1	3.30	2.50	0.19	1.57		
		1	4.00	2.60	0.20	2.08		
		1	3.00	3.80	0.21	2.39		
		1	5.00	3.50	0.22	3.85		
		1	3.80	2.80	0.20	2.13		
		1	4.50	1.20	0.23	1.24		
		1	4.20	1.80	0.20	1.51		
	Teacher Layout							
	1st Main Rd							
		1	8.40	4.20	0.21	7.41		
		1	6.40	3.50	0.19	4.26		
		1	6.90	4.00	0.22	6.07		
		1	9.40	2.60	0.18	4.40		
		1	7.80	2.10	0.19	3.11		
		1	5.50	6.40	0.18	6.34		
		1	4.60	4.80	0.19	4.20		
		1	5.50	4.00	0.23	5.06		
		1	4.00	4.50	0.20	3.60		
	1st Cross Rd							
		1	3.80	3.00	0.16	1.82		
		1	4.50	3.80	0.23	3.93		
		1	6.00	4.40	0.18	4.75		
		1	4.80	4.00	0.19	3.65		
		1	2.80	2.50	0.20	1.40		
		1	1.80	1.80	0.24	0.78		
		1	8.40	4.80	0.20	8.06		
		1	7.60	3.80	0.21	6.06		
		1	2.00	1.80	0.18	0.65		
	4th Cross Rd							
		1	4.50	4.30	0.19	3.68		
		1	3.80	3.50	0.20	2.66		
		1	2.80	2.00	0.20	1.12		
		1	1.40	1.80	0.24	0.60		
		1	7.50	4.80	0.23	8.28		
		1	9.00	5.30	0.20	9.54		
		1	3.00	2.50	0.20	1.50		
	Raghavendra colony							
	3rd Cross Rd							
		1	5.00	6.40	0.20	6.40		
		1	3.50	3.30	0.24	2.77		
		1	2.00	2.00	0.21	0.84		
		1	5.50	5.00	0.23	6.33		
		1	4.80	4.40	0.22	4.65		
		1	1.50	1.90	0.18	0.51		
		1	5.30	4.00	0.22	4.66		
		1	2.50	3.00	0.19	1.43		
	7th & 8th Cross Rd							
		1	6.00	4.40	0.21	5.54		
		1	4.80	4.00	0.19	3.65		
		1	2.80	2.00	0.20	1.12		
		1	2.60	1.80	0.24	1.12		
		1	2.00	2.00	0.21	0.84		
		1	5.50	5.00	0.19	5.23		

AEE (VRP) SD

		1	4.80	4.40	0.22	4.65		
		1	4.00	3.50	0.20	2.80		
		1	3.00	3.80	0.21	2.39		
	3rd "A" Cross Rd							
		1	2.50	1.50	0.20	0.75		
		1	4.80	2.00	0.20	1.92		
		1	4.00	3.50	0.18	2.52		
		1	3.80	3.50	0.19	2.53		
					Total Quantity	**272.39**	**108.90**	**29663.26**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Testing House Pvt. Ltd. Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾದಕ್ಷಿಣ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 14/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
13	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.							
	Asphalt Road							
	Damaged portion And cutting Portion							
	Defence Layout							
	Devamatha school Rd							
		1	5.50	3.20	0.20	3.52		
		1	4.00	2.80	0.18	2.02		
		1	6.00	3.20	0.21	4.03		
		1	4.00	5.40	0.22	4.75		
		1	2.00	6.00	0.19	2.28		
		1	4.30	5.70	0.21	5.15		
		1	7.60	4.60	0.20	6.99		
		1	4.00	3.20	0.21	2.69		
		1	3.80	3.20	0.19	2.31		
		1	8.40	4.40	0.18	6.65		
		1	3.00	4.00	0.22	2.64		
		1	6.40	3.40	0.24	5.22		
		1	6.90	4.50	0.26	8.07		
		1	6.60	5.00	0.22	7.26		
		1	6.50	3.20	0.26	5.41		
		1	4.50	4.50	0.22	4.46		
		1	6.60	4.20	0.20	5.54		
	Burial ground Rd Connecting Rd							
		1	2.00	2.00	0.20	0.80		
		1	3.20	2.50	0.21	1.68		
		1	2.80	2.00	0.20	1.12		
		1	2.40	1.80	0.23	0.99		
		1	6.40	4.00	0.19	4.86		
		1	4.50	3.80	0.21	3.59		
	Cross Rd							
		1	3.30	2.50	0.19	1.57		
		1	4.00	2.60	0.20	2.08		
		1	3.00	3.80	0.21	2.39		

AEE (VRP) SD

		1	5.00	3.50	0.22	3.85		
		1	3.80	2.80	0.20	2.13		
		1	4.50	1.20	0.23	1.24		
		1	4.20	1.80	0.20	1.51		
	Teacher Layout							
	1st Main Rd							
		1	8.40	4.20	0.21	7.41		
		1	6.40	3.50	0.19	4.26		
		1	6.90	4.00	0.22	6.07		
		1	9.40	2.60	0.18	4.40		
		1	7.80	2.10	0.19	3.11		
		1	5.50	6.40	0.18	6.34		
		1	4.60	4.80	0.19	4.20		
		1	5.50	4.00	0.23	5.06		
		1	4.00	4.50	0.20	3.60		
	1st Cross Rd							
		1	3.80	3.00	0.16	1.82		
		1	4.50	3.80	0.23	3.93		
		1	6.00	4.40	0.18	4.75		
		1	4.80	4.00	0.19	3.65		
		1	2.80	2.50	0.20	1.40		
		1	1.80	1.80	0.24	0.78		
		1	8.40	4.80	0.20	8.06		
		1	7.60	3.80	0.21	6.06		
		1	2.00	1.80	0.18	0.65		
	4th Cross Rd							
		1	4.50	4.30	0.19	3.68		
		1	3.80	3.50	0.20	2.66		
		1	2.80	2.00	0.20	1.12		
		1	1.40	1.80	0.24	0.60		
		1	7.50	4.80	0.23	8.28		
		1	9.00	5.30	0.20	9.54		
		1	3.00	2.50	0.20	1.50		
	Raghavendra colony							
	3rd Cross Rd							
		1	5.00	6.40	0.20	6.40		
		1	3.50	3.30	0.24	2.77		
		1	2.00	2.00	0.21	0.84		
		1	5.50	5.00	0.23	6.33		
		1	4.80	4.40	0.22	4.65		
		1	1.50	1.90	0.18	0.51		
		1	5.30	4.00	0.22	4.66		
		1	2.50	3.00	0.19	1.43		
	7th & 8th Cross Rd							
		1	6.00	4.40	0.21	5.54		
		1	4.80	4.00	0.19	3.65		
		1	2.80	2.00	0.20	1.12		
		1	2.60	1.80	0.24	1.12		
		1	2.00	2.00	0.21	0.84		
		1	5.50	5.00	0.19	5.23		
		1	4.80	4.40	0.22	4.65		
		1	4.00	3.50	0.20	2.80		
		1	3.00	3.80	0.21	2.39		

AEE (VRP) SD

	3rd "A" Cross Rd							
		1	2.50	1.50	0.20	0.75		
		1	4.80	2.00	0.20	1.92		
		1	4.00	3.50	0.18	2.52		
		1	3.80	3.50	0.19	2.53		
					Total Quantity	**272.39**	**2953.00**	**804367.37**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 15/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
14	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502							
	Asphalt Road							
	Damaged portion And cutting Portion							
	Defence Layout							
	Devamatha school Rd							
		1	5.50	3.20		17.60		
		1	4.00	2.80		11.20		
		1	6.00	3.20		19.20		
		1	4.00	5.40		21.60		
		1	2.00	6.00		12.00		
		1	4.30	5.70		24.51		
		1	7.60	4.60		34.96		
		1	4.00	3.20		12.80		
		1	3.80	3.20		12.16		
		1	8.40	4.40		36.96		
		1	3.00	4.00		12.00		
		1	6.40	3.40		21.76		
		1	6.90	4.50		31.05		
		1	6.60	5.00		33.00		
		1	6.50	3.20		20.80		
		1	4.50	4.50		20.25		
		1	6.60	4.20		27.72		
	Burial ground Rd Connecting Rd							
		1	2.00	2.00		4.00		
		1	3.20	2.50		8.00		
		1	2.80	2.00		5.60		
		1	2.40	1.80		4.32		
		1	6.40	4.00		25.60		
		1	4.50	3.80		17.10		
	Cross Rd							
		1	3.30	2.50		8.25		
		1	4.00	2.60		10.40		
		1	3.00	3.80		11.40		
		1	5.00	3.50		17.50		

AEE (VRP) SD

		1	3.80	2.80		10.64		
		1	4.50	1.20		5.40		
		1	4.20	1.80		7.56		
	Teacher Layout							
	1st Main Rd							
		1	8.40	4.20		35.28		
		1	6.40	3.50		22.40		
		1	6.90	4.00		27.60		
		1	9.40	2.60		24.44		
		1	7.80	2.10		16.38		
		1	5.50	6.40		35.20		
		1	4.60	4.80		22.08		
		1	5.50	4.00		22.00		
		1	4.00	4.50		18.00		
	4th Cross Rd							
		1	4.50	4.30		19.35		
		1	3.80	3.50		13.30		
		1	2.80	2.00		5.60		
		1	1.40	1.80		2.52		
		1	7.50	4.80		36.00		
		1	9.00	5.30		47.70		
		1	3.00	2.50		7.50		
	Raghavendra colony							
	3rd Cross Rd							
		1	5.00	6.40		32.00		
		1	3.50	3.30		11.55		
		1	2.00	2.00		4.00		
		1	5.50	5.00		27.50		
		1	4.80	4.40		21.12		
		1	1.50	1.90		2.85		
		1	5.30	4.00		21.20		
		1	2.50	3.00		7.50		
	7th & 8th Cross Rd							
		1	6.00	4.40		26.40		
		1	4.80	4.00		19.20		
		1	2.80	2.00		5.60		
		1	2.60	1.80		4.68		
		1	2.00	2.00		4.00		
		1	5.50	5.00		27.50		
		1	4.80	4.40		21.12		
		1	4.00	3.50		14.00		
		1	3.00	3.80		11.40		
	3rd "A" Cross Rd							
		1	2.50	1.50		3.75		
		1	4.80	2.00		9.60		
		1	4.00	3.50		14.00		
		1	3.80	3.50		13.30		
	For Profile correction							
	Devamatha school Rd							
		1	10.00	3.50		35.00		
		1	7.80	4.00		31.20		
		1	6.20	3.80		23.56		

AEE (VRP) SD

		1	8.00	4.20		33.60		
		1	6.50	5.30		34.45		
	Burial ground Rd Connecting Rd							
		1	6.00	3.00		18.00		
		1	4.00	4.20		16.80		
		1	5.50	5.20		28.60		
	Teacher Layout 1st Main Rd							
		1	8.00	2.80		22.40		
		1	6.80	4.50		30.60		
		1	4.20	3.50		14.70		
		1	3.70	3.00		11.10		
	4th Cross Rd							
		1.00	6.70	3.20		21.44		
		1.00	4.60	2.60		11.96		
		1.00	2.50	8.00		20.00		
	Raghavendra colony							
	3rd Cross Rd							
		1	4.50	3.00		13.50		
		1	6.20	4.80		29.76		
		1	1.80	6.00		10.80		
		1	7.60	6.70		50.92		
	7th & 8th Cross Rd							
		1	4.00	3.50		14.00		
		1	3.80	3.50		13.30		
		1	7.20	4.10		29.52		
		1	4.50	3.70		16.65		
		1	3.20	2.80		8.96		
	For Full Road							
	Teacher Layout							
	1st Cross Rd							
	0.00-15.00	1	15.00	(7.60+4.80)/2		93.00		
	15.00-24.50	1	9.50	(4.80+4.20)/2		42.75		
	0.00-15.00	1	15.00	(6.10+5.70)/2		88.50		
	15.00-30.00	1	15.00	(5.70+5.70)/2		85.50		
	30.00-45.00	1	15.00	(5.70+5.60)/2		84.75		
	45.00-60.00	1	15.00	(5.60+5.50)/2		83.25		
	60.00-69.10	1	9.10	(5.50+5.70)/2		50.96		
	69.10-78.00	1	8.90	(5.70+5.80)/2		51.18		
	78.00-90.00	1	12.00	(5.80+5.70)/2		69.00		
	90.00-105.00	1	15.00	(5.70+5.30)/2		82.50		
	105.00-113.80	1	8.80	(3.70+4.30)/2		35.20		
					Total Quantity	**2470.37**	**61.30**	**151433.37**

Contractor   Consultant   Assistant Engineer   Asst, Executive Engineer

Karnataka Material Test House Pvt Ltd, Bangalore

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 15/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.							
	Asphalt Road							
	Damaged portion And cutting Portion							
	Defence Layout							
	Devamatha school Rd							
		1	5.50	3.20	0.05	0.88		
		1	4.00	2.80	0.05	0.56		
		1	6.00	3.20	0.05	0.96		
		1	4.00	5.40	0.05	1.08		
		1	2.00	6.00	0.05	0.60		
		1	4.30	5.70	0.05	1.23		
		1	7.60	4.60	0.05	1.75		
		1	4.00	3.20	0.05	0.64		
		1	3.80	3.20	0.05	0.61		
		1	8.40	4.40	0.05	1.85		
		1	3.00	4.00	0.05	0.60		
		1	6.40	3.40	0.05	1.09		
		1	6.90	4.50	0.05	1.55		
		1	6.60	5.00	0.05	1.65		
		1	6.50	3.20	0.05	1.04		
		1	4.50	4.50	0.05	1.01		
		1	6.60	4.20	0.05	1.39		
	Burial ground Rd Connecting Rd							
		1	2.00	2.00	0.05	0.20		
		1	3.20	2.50	0.05	0.40		
		1	2.80	2.00	0.05	0.28		
		1	2.40	1.80	0.05	0.22		
		1	6.40	4.00	0.05	1.28		
		1	4.50	3.80	0.05	0.86		
	Cross Rd							
		1	3.30	2.50	0.05	0.41		
		1	4.00	2.60	0.05	0.52		
		1	3.00	3.80	0.05	0.57		

AEE (VRP) SD

		1	5.00	3.50	0.05	0.88		
		1	3.80	2.80	0.05	0.53		
		1	4.50	1.20	0.05	0.27		
		1	4.20	1.80	0.05	0.38		
	Teacher Layout							
	1st Main Rd							
		1	8.40	4.20	0.05	1.76		
		1	6.40	3.50	0.05	1.12		
		1	6.90	4.00	0.05	1.38		
		1	9.40	2.60	0.05	1.22		
		1	7.80	2.10	0.05	0.82		
		1	5.50	6.40	0.05	1.76		
		1	4.60	4.80	0.05	1.10		
		1	5.50	4.00	0.05	1.10		
		1	4.00	4.50	0.05	0.90		
	4th Cross Rd							
		1	4.50	4.30	0.05	0.97		
		1	3.80	3.50	0.05	0.67		
		1	2.80	2.00	0.05	0.28		
		1	1.40	1.80	0.05	0.13		
		1	7.50	4.80	0.05	1.80		
		1	9.00	5.30	0.05	2.39		
		1	3.00	2.50	0.05	0.38		
	Raghavendra colony							
	3rd Cross Rd							
		1	5.00	6.40	0.05	1.60		
		1	3.50	3.30	0.05	0.58		
		1	2.00	2.00	0.05	0.20		
		1	5.50	5.00	0.05	1.38		
		1	4.80	4.40	0.05	1.06		
		1	1.50	1.90	0.05	0.14		
		1	5.30	4.00	0.05	1.06		
		1	2.50	3.00	0.05	0.38		
	7th & 8th Cross Rd							
		1	6.00	4.40	0.05	1.32		
		1	4.80	4.00	0.05	0.96		
		1	2.80	2.00	0.05	0.28		
		1	2.60	1.80	0.05	0.23		
		1	2.00	2.00	0.05	0.20		
		1	5.50	5.00	0.05	1.38		
		1	4.80	4.40	0.05	1.06		
		1	4.00	3.50	0.05	0.70		
		1	3.00	3.80	0.05	0.57		
	3rd "A" Cross Rd							
		1	2.50	1.50	0.05	0.19		
		1	4.80	2.00	0.05	0.48		
		1	4.00	3.50	0.05	0.70		
		1	3.80	3.50	0.05	0.67		
	For Profile correction							
	Defence Layout							
	Devamatha school Rd							

AEE (VRP) SD

		1	10.00	3.50	0.05	1.75		
		1	7.80	4.00	0.05	1.56		
		1	6.20	3.80	0.05	1.18		
		1	8.00	4.20	0.05	1.68		
		1	6.50	5.30	0.05	1.72		
	Burial ground Rd Connecting Rd							
		1	6.00	3.00	0.05	0.90		
		1	4.00	4.20	0.05	0.84		
		1	5.50	5.20	0.05	1.43		
	Teacher Layout							
	1st Main Rd							
		1	8.00	2.80	0.05	1.12		
		1	6.80	4.50	0.05	1.53		
		1	4.20	3.50	0.05	0.74		
		1	3.70	3.00	0.05	0.56		
	4th Cross Rd							
		1.00	6.70	3.20	0.05	1.07		
		1.00	4.60	2.60	0.05	0.60		
		1.00	2.50	8.00	0.05	1.00		
	Raghavendra colony							
	3rd Cross Rd							
		1	4.50	3.00	0.05	0.68		
		1	6.20	4.80	0.05	1.49		
		1	1.80	6.00	0.05	0.54		
		1	7.60	6.70	0.05	2.55		
	7th & 8th Cross Rd							
		1	4.00	3.50	0.05	0.70		
		1	3.80	3.50	0.05	0.67		
		1	7.20	4.10	0.05	1.48		
		1	4.50	3.70	0.05	0.83		
		1	3.20	2.80	0.05	0.45		
	For Full Road							
	Teacher Layout							
	1st Cross Rd							
	0.00-15.00	1	15.00	(7.60+4.80)/2	0.05	4.65		
	15.00-24.50	1	9.50	(4.80+4.20)/2	0.05	2.14		
	0.00-15.00	1	15.00	(6.10+5.70)/2	0.05	4.43		
	15.00-30.00	1	15.00	(5.70+5.70)/2	0.05	4.28		
	30.00-45.00	1	15.00	(5.70+5.60)/2	0.05	4.24		
	45.00-60.00	1	15.00	(5.60+5.50)/2	0.05	4.16		
	60.00-69.10	1	9.10	(5.50+5.70)/2	0.05	2.55		
	69.10-78.00	1	8.90	(5.70+5.80)/2	0.05	2.56		
	78.00-90.00	1	12.00	(5.80+5.70)/2	0.05	3.45		
	90.00-105.00	1	15.00	(5.70+5.30)/2	0.05	4.13		
	105.00-113.80	1	8.80	(3.70+4.30)/2	0.05	1.76		
					Total Quantity	**123.52**	**10905.00**	**1346966.52**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt Ltd

AEE (WRP) SD

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Pre-Measurement : 20/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
16	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503							
	For Asphalt Roads							
	Tack coat For BC							
	Defence Layout							
	Devamatha school Rd							
	0.00-15.00	1	15.00	(8.70+6.00)/2		110.25		
	15.00-30.00	1	15.00	(6.00+6.20)/2		91.50		
	30.00-45.00	1	15.00	(6.20+6.30)/2		93.75		
	45.00-47.90	1	2.90	(6.30+8.40)/2		21.32		
	47.90-58.40	1	10.50	(8.40+7.8)/2		85.05		
	58.40-60.00	1	1.60	(7.80+6.40)/2		11.36		
	60.00-75.00	1	15.00	(6.40+6.00)/2		93.00		
	75.00-90.00	1	15.00	(6.00+6.10)/2		90.75		
	90.00-105.00	1	15.00	(6.10+6.10)/2		91.50		
	105.00-120.00	1	15.00	(6.10+6.40)/2		93.75		
	120.00-135.00	1	15.00	(6.40+6.00)/2		93.00		
	135.00-150.00	1	15.00	(6.00+5.90)/2		89.25		
	150.00-165.00	1	15.00	(5.90+6.30)/2		91.50		
	165.00-180.00	1	15.00	(6.30+6.05)/2		92.63		
	180.00-195.00	1	15.00	(6.05+6.00)/2		90.38		
	195.00-210.00	1	15.00	(6.00+5.80)/2		88.50		
	210.00-225.00	1	15.00	(5.80+6.30)/2		90.75		
	225.00-243.00	1	18.00	(6.30+9.50)/2		142.20		
	Cross Rd							
	0.00-15.00	1	15.00	(8.40+6.35)/2		110.63		
	15.00-30.00	1	15.00	(6.35+6.10)/2		93.38		
	30.00-42.70	1	12.70	(6.10+6.50)/2		80.01		
	Burial Ground Rd connecting Rd							
	0.00-15.00	1	15.00	(8.70+5.50)/2		106.50		
	15.00-30.00	1	15.00	(5.50+6.10)/2		87.00		
	30.00-40.70	1	10.70	(6.10+7.60)/2		73.30		
	Teacher Layout							
	1st Main Rd							
	0.00-2.50	1	2.50	(8.20+8.20)/2		20.50		

AEE (VRP) SD

	0-15.0	1	12.50	(6.70+6.70)/2		83.75		
	15.00-30.00	1	15.00	(6.40+5.10)/2		86.25		
	30.00-37.00	1	7.00	(5.10+4.40)/2		33.25		
	37.00-45.00	1	8.00	(3.70+4.00)/2		30.80		
	45.00-60.00	1	15.00	(4.90+5.50)/2		78.00		
	60.00-75.00	1	15.00	(5.50+5.50)/2		82.50		
	75.00-90.00	1	15.00	(5.50+5.50)/2		82.50		
	90.00-105.00	1	15.00	(5.50+5.50)/2		82.50		
	105.00-120.00	1	15.00	(5.50+5.00)/2		78.75		
	120.00-132.00	1	12.00	(5.00+5.10)/2		60.60		
	132.00-145.00	1	13.00	(5.10+4.10)/2		59.80		
	145.00-162.00	1	17.00	(4.10+5.10)/2		78.20		
	1st Cross Rd							
	0.00-15.00	1	15.00	(7.60+4.80)/2		93.00		
	15.00-24.50	1	9.50	(4.80+4.20)/2		42.75		
	0.00-15.00	1	15.00	(6.10+5.70)/2		88.50		
	15.00-30.00	1	15.00	(5.70+5.70)/2		85.50		
	30.00-45.00	1	15.00	(5.70+5.60)/2		84.75		
	45.00-60.00	1	15.00	(5.60+5.50)/2		83.25		
	60.00-69.10	1	9.10	(5.50+5.70)/2		50.96		
	69.10-78.00	1	8.90	(5.70+5.80)/2		51.18		
	78.00-90.00	1	12.00	(5.80+5.70)/2		69.00		
	90.00-105.00	1	15.00	(5.70+5.30)/2		82.50		
	105.00-113.80	1	8.80	(3.70+4.30)/2		35.20		
	4th Cross Rd							
	0.00-15.00	1	15.00	(7.50+5.00)/2		93.75		
	15.00-30.00	1	15.00	(5.00+5.60)/2		79.50		
	30.00-46.50	1	16.50	(5.60+5.50)/2		91.58		
	0.00-15.00	1	15.00	(6.00+5.30)/2		84.75		
	15.00-30.00	1	15.00	(5.30+4.35)/2		72.38		
	30.00-45.00	1	15.00	(4.35+5.60)/2		74.63		
	45.00-60.00	1	15.00	(5.60+5.80)/2		85.50		
	60.00-75.00	1	15.00	(5.80+5.00)/2		81.00		
	75.00-90.00	1	15.00	(5.00+4.80)/2		73.50		
	90.00-105.40	1	15.40	(4.80+3.30)/2		62.37		
	Raghavendra colony							
	3rd Cross Rd							
	0.00-15.00	1	15.00	(6.60+5.60)/2		91.50		
	15.00-30.00	1	15.00	(5.60+4.40)/2		75.00		
	30.00-45.00	1	15.00	(4.40+5.80)/2		76.50		
	45.00-60.00	1	15.00	(5.80+4.70)/2		78.75		
	60.00-75.00	1	15.00	(4.70+5.30)/2		75.00		
	75.00-90.00	1	15.00	(5.30+5.00)/2		77.25		
	90.00-106.80	1	16.80	(5.00+4.80)/2		82.32		
	3rd "A" Cross Rd							
	0.00-15.00	1	15.00	(6.00+4.40)/2		78.00		
	15.00-26.00	1	11.00	(4.40+5.60)/2		55.00		
	7th & 8th Cross Rd							
	0.00-3.80	1	3.80	(3.60+3.60)/2		13.68		
	3.80-15.00	1	11.20	(5.20+5.30)/2		58.80		
	15.00-30.00	1	15.00	(5.30+5.90)/2		84.00		
	30.00-45.00	1	15.00	(5.90+5.50)/2		85.50		

AEE (VRP) SD

	00-60.00	1	15.00	(5.50+6.30)/2		88.50		
	60.00-75.00	1	15.00	(6.30+6.00)/2		92.25		
	75.00-90.00	1	15.00	(6.00+5.70)/2		87.75		
	90.00-104.10	1	14.10	(5.70+5.40)/2		78.26		
					Total Quantity	**5812.22**	**16.30**	**94739.10**

Contractor Consultant Assistant Engineer Asst. Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Measurement : 24/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
17	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects							
	For Asphalt Road							
	Defence Layout							
	Devamatha school Rd							
	0.00-15.00	1	15.00	(8.70+6.00)/2	0.04	4.41		
	15.00-30.00	1	15.00	(6.00+6.20)/2	0.04	3.66		
	30.00-45.00	1	15.00	(6.20+6.30)/2	0.04	3.75		
	45.00-47.90	1	2.90	(6.30+8.40)/2	0.04	0.85		
	47.90-58.40	1	10.50	(8.40+7.8)/2	0.04	3.40		
	58.40-60.00	1	1.60	(7.80+6.40)/2	0.04	0.45		
	60.00-75.00	1	15.00	(6.40+6.00)/2	0.04	3.72		
	75.00-90.00	1	15.00	(6.00+6.10)/2	0.04	3.63		
	90.00-105.00	1	15.00	(6.10+6.10)/2	0.04	3.66		
	105.00-120.00	1	15.00	(6.10+6.40)/2	0.04	3.75		
	120.00-135.00	1	15.00	(6.40+6.00)/2	0.04	3.72		
	135.00-150.00	1	15.00	(6.00+5.90)/2	0.04	3.57		
	150.00-165.00	1	15.00	(5.90+6.30)/2	0.04	3.66		
	165.00-180.00	1	15.00	(6.30+6.05)/2	0.04	3.71		
	180.00-195.00	1	15.00	(6.05+6.00)/2	0.04	3.62		
	195.00-210.00	1	15.00	(6.00+5.80)/2	0.04	3.54		
	210.00-225.00	1	15.00	(5.80+6.30)/2	0.04	3.63		
	225.00-243.00	1	18.00	(6.30+9.50)/2	0.04	5.69		
	Cross Rd							
	0.00-15.00	1	15.00	(8.40+6.35)/2	0.04	4.43		
	15.00-30.00	1	15.00	(6.35+6.10)/2	0.04	3.74		
	30.00-42.70	1	12.70	(6.10+6.50)/2	0.04	3.20		
	Burial Ground Rd connecting Rd							
	0.00-15.00	1	15.00	(8.70+5.50)/2	0.04	4.26		
	15.00-30.00	1	15.00	(5.50+6.10)/2	0.04	3.48		
	30.00-40.70	1	10.70	(6.10+7.60)/2	0.04	2.93		
	Teacher Layout							
	1st Main Rd							

AEE (VRP) SD

	0.00-2.50	1	2.50	(8.20+8.20)/2	0.04	0.82		
	2.50-15.0	1	12.50	(6.70+6.70)/2	0.04	3.35		
	15.00-30.00	1	15.00	(6.40+5.10)/2	0.04	3.45		
	30.00-37.00	1	7.00	(5.10+4.40)/2	0.04	1.33		
	37.00-45.00	1	8.00	(3.70+4.00)/2	0.04	1.23		
	45.00-60.00	1	15.00	(4.90+5.50)/2	0.04	3.12		
	60.00-75.00	1	15.00	(5.50+5.50)/2	0.04	3.30		
	75.00-90.00	1	15.00	(5.50+5.50)/2	0.04	3.30		
	90.00-105.00	1	15.00	(5.50+5.50)/2	0.04	3.30		
	105.00-120.00	1	15.00	(5.50+5.00)/2	0.04	3.15		
	120.00-132.00	1	12.00	(5.00+5.10)/2	0.04	2.42		
	132.00-145.00	1	13.00	(5.10+4.10)/2	0.04	2.39		
	145.00-162.00	1	17.00	(4.10+5.10)/2	0.04	3.13		
	1st Cross Rd							
	0.00-15.00	1	15.00	(7.60+4.80)/2	0.04	3.72		
	15.00-24.50	1	9.50	(4.80+4.20)/2	0.04	1.71		
	0.00-15.00	1	15.00	(6.10+5.70)/2	0.04	3.54		
	15.00-30.00	1	15.00	(5.70+5.70)/2	0.04	3.42		
	30.00-45.00	1	15.00	(5.70+5.60)/2	0.04	3.39		
	45.00-60.00	1	15.00	(5.60+5.50)/2	0.04	3.33		
	60.00-69.10	1	9.10	(5.50+5.70)/2	0.04	2.04		
	69.10-78.00	1	8.90	(5.70+5.80)/2	0.04	2.05		
	78.00-90.00	1	12.00	(5.80+5.70)/2	0.04	2.76		
	90.00-105.00	1	15.00	(5.70+5.30)/2	0.04	3.30		
	105.00-113.80	1	8.80	(3.70+4.30)/2	0.04	1.41		
	4th Cross Rd							
	0.00-15.00	1	15.00	(7.50+5.00)/2	0.04	3.75		
	15.00-30.00	1	15.00	(5.00+5.60)/2	0.04	3.18		
	30.00-46.50	1	16.50	(5.60+5.50)/2	0.04	3.66		
	0.00-15.00	1	15.00	(6.00+5.30)/2	0.04	3.39		
	15.00-30.00	1	15.00	(5.30+4.35)/2	0.04	2.90		
	30.00-45.00	1	15.00	(4.35+5.60)/2	0.04	2.99		
	45.00-60.00	1	15.00	(5.60+5.80)/2	0.04	3.42		
	60.00-75.00	1	15.00	(5.80+5.00)/2	0.04	3.24		
	75.00-90.00	1	15.00	(5.00+4.80)/2	0.04	2.94		
	90.00-105.40	1	15.40	(4.80+3.30)/2	0.04	2.49		
	Raghavendra colony							
	3rd Cross Rd							
	0.00-15.00	1	15.00	(6.60+5.60)/2	0.04	3.66		
	15.00-30.00	1	15.00	(5.60+4.40)/2	0.04	3.00		
	30.00-45.00	1	15.00	(4.40+5.80)/2	0.04	3.06		
	45.00-60.00	1	15.00	(5.80+4.70)/2	0.04	3.15		
	60.00-75.00	1	15.00	(4.70+5.30)/2	0.04	3.00		
	75.00-90.00	1	15.00	(5.30+5.00)/2	0.04	3.09		
	90.00-106.80	1	16.80	(5.00+4.80)/2	0.04	3.29		
	3rd "A" Cross Rd							
	0.00-15.00	1	15.00	(6.00+4.40)/2	0.04	3.12		
	15.00-26.00	1	11.00	(4.40+5.60)/2	0.04	2.20		
	7th & 8th Cross Rd							
	0.00-3.80	1	3.80	(3.60+3.60)/2	0.04	0.55		
	3.80-15.00	1	11.20	(5.20+5.30)/2	0.04	2.35		
	15.00-30.00	1	15.00	(5.30+5.90)/2	0.04	3.36		

AEE (WRP) SD

	3[illegible]0-45.00	1	15.00	(5.90+5.50)/2	0.04	3.42		
	45.00-60.00	1	15.00	(5.50+6.30)/2	0.04	3.54		
	60.00-75.00	1	15.00	(6.30+6.00)/2	0.04	3.69		
	75.00-90.00	1	15.00	(6.00+5.70)/2	0.04	3.51		
	90.00-104.10	1	14.10	(5.70+5.40)/2	0.04	3.13		
					Total Quantity	**232.49**	**12643.00**	**2939353.37**

Contractor Consultant Assistant Engineer Asst, Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Date of Measurement : 24/06/24

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
24	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km							
	QTY FROM - 2					3608.06		
	QTY FROM - 11					272.39		
					Total Quantity	**3880.45**	**207.00**	**803253.00**
					Total Construction Cost			**25523709.28**
					18% GST			**4594267.67**
					Grand Total			**30117976.95**

Contractor Consultant Assistant Engineer Asst. Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಪಗಳ ಘಟಕ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

Name of Work: Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

MEASURMENT SHEETS

"FIRST AND PART BILL"

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.`

Date of Pre-Measurment 24/4/24

Detailed Measurments

Item No	Discription of Item		Unit	Rate	Amount
1	Removing and resetting of footpath slab.				
	Void Page No				
	Present Qty	**867.77**	**Sqm**	**247.50**	**214771.84**
2	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.				
	Void Page No				
	Present Qty	**3608.06**	**Cum**	**279.30**	**1007730.36**
3	Removing and resetting Stone Slab of drain and pointing in C.M (1:3).				
	Void Page No				
	Present Qty	**889.20**	**Sqm**	**127.00**	**112928.40**
4	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates.				
	Void Page No				
	Present Qty	**402.11**	**Cum**	**6509.00**	**2617301.45**

ಸಹಾಯಕ ಅಭಿಯಂತರರು ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಪದ ಉಪ ವಿಭಾಗ

6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.				
	Void Page No				
	Present Qty	**861.20**	**Cum**	**8029.00**	**6914544.53**
7	Supplying, Fitting and Placing TMT FE 550/550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operation complete as per Drawing and Technical Specifications.All other types of structures				
	Void Page No				
	Present Qty	**47.64**	**Tonne**	**91204.00**	**4345208.23**
11	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.				
	Void Page No				
	Present Qty	**272.39**	**Cum**	**108.90**	**29663.26**
13	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.				
	Void Page No				
	Present Qty	**272.39**	**Cum**	**2953.00**	**804367.37**
14	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502				
	Void Page No				
	Present Qty	**2470.37**	**Sqm**	**61.30**	**151433.37**

2023

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ

15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.				
	Void Page No				
	Present Qty	**123.52**	**Cum**	**10905.00**	**1346966.52**
16	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503				
	Void Page No				
	Present Qty	**5812.22**	**Sqm**	**16.30**	**94739.10**

Contractor Consultant Assistant Engineer Asst. Executive Engineer

Karnataka Material Test House Pvt. Ltd. Bangalore